

Deluxe Upright Digital Piano

Owner's Manual *DP-150e*



***Artesia* Pianos**

Virgin Musical Instrument Company INC

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La Mesa, CA 91943

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Welcome

We would like to express our appreciation and congratulate you for purchasing this Artesia Deluxe Digital Upright Piano. This piano has been designed to, with proper care, provide you with years of musical enjoyment.

Artesia's advanced state of the art electronics are combined with an elegant cabinet that adds beauty and sophistication to any home environment.

This piano is a feature packed entertainment center that's fun for the whole family – It's more than just a piano!

Listed below are just a few of the features that your new piano is equipped with:

- Artesia's acclaimed stereo imaging
- 137 Instrument Voices Including a Stereo Grand Piano
- Acoustic instrument voices offering unmatched realism
- Digital effects to further enhance the instrument voices
- 100 Rhythm and Accompaniment Styles with variations of those styles
- Elegant Hand Rubbed Lacquer Cabinet Fits Any Sized Room
- Fatar, Italian Made Hammer Action Keyboard. Used by major Artist the World Over
- Authentic Acoustic Piano Touch and Feel Teacher Recommended!
- Sustain, Soft and Sostenuto pedals
- Built-in Track Recorder to Record and Playback your Performance You Can Record Practice Sessions
- Built-In Music Teacher with optional Screen Grading and 55 built in play-along songs
- USB Jump Drive to Play Prerecorded Music – Play Hundreds of Music Files Jazz, Pop, Classical, Rock, Country & More!
- Interface to Your Computer with On-Board MIDI and USB ports
- Never Needs Tuning
- Headphones to Practice in Private
- Metronome feature with variable tempo to facilitate practice
- Included Bluetooth BT-1 Wireless Receiver
- Reverb and Chorus Effects
- Pan, Transpose and Octave
- Classical Half Sustain
- Programmable Auto Power Off
- MIDI compatible duet feature for student and teacher play

You will find even more features and functions listed within this owners manual. In order to fully appreciate all the impressive features of this digital piano, please take a few minutes to read the following pages of instruction. General precautions, the function of each control button, and warranty information will be covered. Please save this manual for future reference.

WARRANTY INFORMATION

WARRANTY

This product, except the exterior cosmetic parts, is warranted to the original purchaser to be free from defects in material and workmanship under normal use as follows:

1. For a period of one year from the date of purchase, Virgin Musical Instrument Company will pay the labor charges to repair the defective product. After this one year period, you must pay all labor charges.
2. In addition, Virgin Musical Instrument Company will supply, at no charge, new or rebuilt replacements for defective parts for a period of one year from the date of purchase.

In the event repairs are needed, the original purchaser should contact Virgin Musical Instrument Company, the parent company of Artesia Pianos, at 888-998-9848. Virgin Musical Instrument Company will then repair the product or return it to the VMI distribution center for repairs. Upon completion of the repair, the unit will be returned to the music store, freight prepaid.

This warranty will not apply to this product if it has been misused, abused, or altered. Without limiting the foregoing, bending, dropping of unit, or visible cracks and/or scratches are presumed to be defects resulting from misuse or abuse.

This warranty is void if the product has been opened.

Neither this warranty nor any other warranty expressed or implied, including implied warranties of merchantable, shall extend beyond the warranty period.

No responsibility is assumed for any incidental or consequential damages.

Outside the US contact the original retailer where the product was purchased for additional warranty details.

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS



WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

AVIS : RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR.

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Examples of Picture Symbols

	denotes that care should be taken. The example instructs the user to take care not to allow fingers to be trapped.
	denotes a prohibited operation. The example instructs that disassembly of the product is prohibited.
	denotes an operation that should be carried out. The example instructs the user to remove the power cord plug from the AC outlet.

Read all the instructions before using the product.

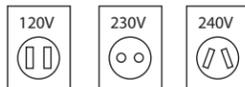
- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prongs are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING - When using electric products, basic precautions should always be followed, including the following.

! WARNING

Indicates a potential hazard that could result in death or serious injury if the product is handled incorrectly.

The product should be connected to an AC outlet of the specified voltage.



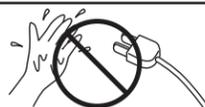
- If you are going to use an AC power cord, make sure that it has the correct plug shape and conforms to the specified power voltage.
- Failure to do so may result in fire.

Use only the AC adaptor included with this instrument to power the instrument.



- Do not use other AC adaptors to power this instrument.
- Do not use the included AC adaptor or AC power cord to power other equipment.

Do not insert or disconnect the power cord plug with wet hands.



Doing so may cause electric shock.

The chair must be used properly (it must be used only when playing the product).

- Do not play with it or stand on it.
- Only one person is allowed to sit on it.
- Do not sit on it when opening the lid.
- Re-tighten the bolts occasionally.

Doing so may cause the chair to fall over or your fingers to be trapped, resulting in injury.

When using the headphones, do not listen for long periods of time at high volume levels.



Doing so may result in hearing problems.

Do not lean against the keyboard.



Doing so may cause the product to fall over, resulting in injury.

Do not disassemble, repair or modify the product.



Doing so may result in product breakdown, electric shock or short-circuit.

When disconnecting the AC power cord's plug, always hold the plug and pull it to remove it.



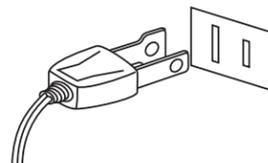
- Pulling the AC power cord itself may damage the cord, causing a fire, electric shock or short-circuit.

The product is not completely disconnected from the power supply even when the power switch is turned off. If the product will not be used for a long time, unplug the AC power cord from the AC outlet.



- Failure to do so may cause fire in case of lightning.
- Failure to do so may over-heat the product, resulting in fire.

This product may be equipped with a polarised line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.



It is a good practice to place the instrument near the AC outlet and to place the power cord plug in a position that allows the plug to be disconnected easily in the event of an emergency. Electricity is always charging while the plug is in the AC outlet even when the power switch is in the 'OFF' position.

SPECIFICATIONS

SPECIFICATIONS

KEYBOARD

88 Key, Advanced Balanced Graded Hammer-actioned, Velocity sensitive keyboard

MAX. POLYPHONY

64 Note Polyphony

SET-UP

Power On/Off
Main Volume Control Min-Max
Accomp Volume Control Min-Max
Keyboard Volume
Acc. Volume
Data Wheel

VOICES

137 GM (General MIDI Voices)
8 Quick Select (one User defined)

VOICE MODE

Layer (dual) voice
Split (Lower) voice
Duet

VOICE EFFECTS:

Reverb
Chorus

DISPLAY: 16-Character LCD

REGISTRATION MEMORY: 6

DEMONSTRATION: Ten Songs

RECORDING:

One song,
2-track recording

OVERALL CONTROL

Transpose
Tempo
Touch response: soft, normal, hard, fixed,
Voice split point
Accompaniment split point

AUTO BASS CHORD MODE

Single
Fingered

AUTO-ACCOMPANIMENT STYLE

100 Auto-accompaniment styles
Four quick select style buttons

ACCOMPANIMENT CONTROL

Synchronized start
Start/Stop
Introduction/Ending

Fill-In
Variation
Metronome
One Touch Settings

PLAY ALONG SONGS: 55 Songs

FUNCTION

Reverb level
Chorus level
Touch Sensitivity
Split point for voice
Split point for auto accompaniment,
Chord Type
Metronome Type and Volume
Pan
Transpose
Tune
Octave
Play Along Songs Grading and Volume
MIDI
Half Sustain
Bluetooth
Reset
Auto Power Off Time

AUXILIARY JACKS

Headphone x 2
Line Out
AUX In
USB To Host
Bluetooth Receiver
MIDI Out
Input Level Dial

PEDALS

Sustain Pedal
Sostenuto Pedal
Soft Pedal

VOLTAGE: AC 120V

AMPLIFIER: 20W x 2

DIMENSIONS

54.2 x 20 x 33.9 inches
(1377mmx510mm x862mm)

WEIGHT: 154.3 lbs (70 Kg)

STANDARD ACCESSORIES

Music rest
Owners manual
Play Along Song Book
Preloaded Kingston USB Flash Drive
Bluetooth BT-1 Wireless Receiver

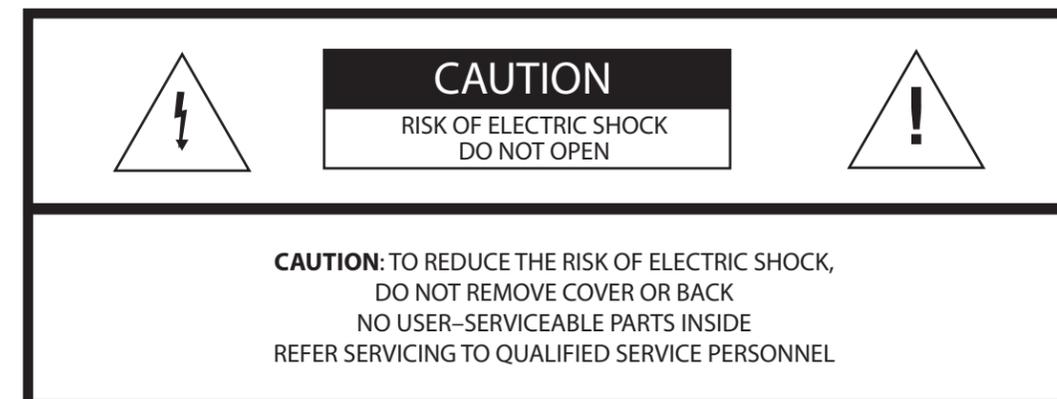
OPTIONAL ACCESSORIES

Padded Bench

TROUBLESHOOTING

When the instrument is turned on or off, a popping sound is heard.	This is normal and indicates that the instrument is receiving electrical power.
When using a mobile phone, noise is produced	Using a mobile phone is close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.
Not all of the voices seem to sound, or the sound seems to cut off.	The instrument is polyphonic up to a maximum of 32 notes, including the layer voice, split voice, auto accompaniment and metronome. Notes exceeding this limit will not sound.
The auto accompaniment does not sound properly.	Make sure that the accompaniment volume is set to a appropriate level. Check that the split point is set to an appropriate key for the chords you are playing. Make sure that the CHORD button for is engaged.
No sound is produced by the keyboard, but the lights and screen work.	Check the master volume control. Check that nothing is plugged into the headphone socket or that LOCAL has been turned off in the Function menu.
The sound of the voice changes from note to note.	This is normal. The digital toe generation uses multiple recordings, samples, of an instrument across the range of the keyboard. The actual sound of the voice may be slightly different from note to note.
The volume is too soft. The sound quality is poor. The rhythm stops unexpectedly or will not play The recorded data of the song does not play correctly. The LCD display suddenly goes dark and all panel settings are reset.	An incorrect AC adapter which is not rated sufficiently can cause malfunction or damage. If you have lost or damaged your AC adapter, please contact your nearest dealer for the correct replacement adapter.
To completely restore all setting as set by the factory.	Perform a factory reset from the Function menu, all of the user settings will be erased and the default factory settings will be applied to the instrument.
Power suddenly and unexpectedly turns off after a period of inactivity.	This is normal outcome of the Auto Power Off feature. You can disable the Auto Power Off, in the Function menu.
The sustain pedal seems to produce the opposite effect, so that pressing the pedal deactivates the sustain and releasing the pedal triggers the sustain.	The polarity of the switch needs to be changed. Make sure the jack plug for the pedal is connected correctly and do not press the pedal while turning the piano on.

General Precautions



INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY:

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The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance or servicing instructions.



1. CAUTION: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2. Note: This equipment has been tested and found to comply with the limit for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a noncommercial environment. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

TABLE OF CONTENTS

TAKING CARE OF YOUR DIGITAL PIANO	8	PAN	37
PANEL CONTROLS	9	MAIN, SPLIT AND LAYER VOICE	
CONNECTOR PANEL	17	TRANSPOSE	38
PEDALS	18	OCTAVE	38
DEMO	19	MAIN, SPLIT AND LAYER VOICE	
KEYBOARD VOICES	20	TUNE	39
QUICK SELECT VOICE BUTTONS	20	PLAY ALONG SONG	39
SELECTING ONE OF THE 137 VOICES	20	GRADING AND VOLUME	
USER QUICK SELECT BUTTON	21	USB	40
LAYER VOICE	22	PLAY MODE, PLAY SPEED, PLAY VOLUME AND MUTE TRACK	
SPLIT VOICE	22	MIDI	41
TOUCH	23	LOCAL MIDI, USB MIDI IN AND MIDI OUT	
DUET	23	HALF SUSTAIN	41
EFFECTS	24	BLUETOOTH	42
REVERB AND CHORUS		RESET	42
RHYTHM	25	AUTO POWER OFF TIME	42
QUICK SELECT STYLE BUTTONS	25	REGISTRATION MEMORY	43
SELECTING ONE OF THE 100 STYLES	25	RECORD	45
USING THE RHYTHM STYLE	26	LOCAL	45
ADJUSTING THE TEMPO	27	USB	47
AUTO ACCOMPANIMENT	28	PLAY ALONG SONGS	49
AUTO ACCOMPANIMENT MODES	29	USB	53
USING THE AUTO ACCOMPANIMENT	30	BLUETOOTH	54
METRONOME	32	MIDI	56
FUNCTION	33	MIDI IMPLEMENTATION CHART	57
REVERB LEVEL	34	AUTO BASS CHORD FINGERING GUIDE	58
MAIN, SPLIT AND LAYER VOICE		VOICE LIST	59
CHORUS LEVEL	35	STYLE LIST	60
MAIN, SPLIT AND LAYER VOICE5		TROUBLESHOOTING	61
SPLIT POINT	36	SPECIFICATIONS	62
VOICE AND CHORD		WARRANTY	63
CHORD TYPE (AA FINGER MODE)	36		
METRONOME	37		
TYPE AND VOLUME			

STYLE LIST

BALLAD		16 BEAT		67	Big Band
1	Piano Ballad	34	Twist	68	Dixie
2	Latin Ballad	35	Early Rock	69	Big Band Dance
3	Love Song	36	Boogie Woogie	70	Quick Fox Trot
4	Pop Ballad	37	6/8 Blues	71	Quick Step
5	Big Band Ballad	38	Gospel Shuffle	72	Jive
6	Jazz Ballad	39	Dance	73	Ragtime
7	16Beat Ballad	40	Dance Pop	74	Stride Piano
8	6/8 Slow Rock	41	House	75	2/4 March
9	16Beat 1	42	Swing House	76	6/8 March
10	16Beat 2	43	Club Dance	77	Foxtrot
11	Country Ballad	44	Club Latin	78	English Waltz
12	Slow Gospel	45	Garage	79	Vienna Waltz
13	Slow Country	46	Techno	80	Swing Waltz
14	Modern Ballad	47	Dance 8Beat	81	Jazz Waltz
15	Show Ballad	48	Hip Hop	82	Waltz
POP		49	Chill Out	83	Island Fever
16	Mersey Beat	50	70's Disco	84	2/4 Polka
17	Popville	51	Latin Disco	85	6/8 Polka
18	Jazz Rock	52	Disco	LATIN	
19	Pop Rock	53	Disco Party	86	Brasil
20	Pop Shuffle	54	Disco Fever	87	Merengue
21	Guitar Pop	55	New York Disco	88	Mambo
22	Swing Funk	56	Country Pop	89	Rhumba
23	Pop's Feel	57	Country Swing	90	Salsa
24	Surf Pop	58	Country 2Step	91	Samba
25	8Beat	59	Bluegrass	92	Beguine
26	60's Rock	60	Country Waltz	93	Bossanova
27	Rock	COMBO		94	Tango
28	Shuffle Rock	61	Modern Jazz	95	Tango Habenera
29	Synth Pop	62	Cocktails	96	Pasodoble
30	Soul	63	Combo Place	97	Cha Cha
31	Detroit Pop	64	Jazz Club	98	Swing Reggae
32	Rhythm & Blues	65	Swing	99	Tarntela
33	Soul 1968	66	Big Band Jam	100	Mariachi

VOICE LIST

PIANO		35	Electric (pick)	70	English Horn	ETHNIC	
1	Acoustic Grand	36	Fretless Bass	71	Bassoon	105	Sitar
2	Bright Acoustic	37	Slap Bass 1	72	Clarinet	106	Banjo
3	Electric Grand	38	Slap Bass 2	PIPE		107	Shamisen
4	Honky-Tonk Piano	39	Synth Bass 1	73	Piccolo	108	Koto
5	Electric Piano 1	40	Synth Bass 2	74	Flute	109	Kalimba
6	Electric Piano 2	STRINGS		75	Recorder	110	Bagpipe
7	Harpsichord	41	Violin	76	Pan Flute	111	Fiddle
8	Clavichord	42	Viola	77	Bottle Blow	12	Shanai
CHROMATIC PERCUS		43	Cello	78	Shakuhachi	PERCUSSIVE	
9	Celesta	44	Contrabass	79	Whistle	113	Tinkle Bell
10	Glockenspiel	45	Tremolo Strings	80	Ocarina	114	Agogo
11	Music box	46	Pizzicato Strings	SYNTH LEAD		115	Steel Drums
12	Vibraphone	47	Orchestral Harp	81	Lead 1 (square)	116	Woodblock
13	Marimba	48	Timpani	82	Lead 2 (sawtooth)	117	Taiko Drum
14	Xylophone	ENSEMBLE		83	Lead 3 (calliope)	118	Melodic Tom
15	Tubular Bells	49	Strings	84	Lead 4 (chiff)	119	Synth Drum
16	Dulcimer	50	String Ensemble 2	85	Lead 5 (charang)	120	Reverse Cymbal
ORGAN		51	Synth Strings 1	86	Lead 6 (voice)	SOUND EFFECT	
17	Drawbar Organ	52	Synth Strings 2	87	Lead 7 (fifths)	121	Guitar Fret Noise
18	Percussive Organ	53	Choir Aahs	88	8 (bass + lead)	122	Breath Noise
19	Rock Organ	54	Voice Oohs	SYNTH PAD		123	Seashore
20	Church Organ	55	Synth Voice	89	Pad 1 (new age)	124	Bird Tweet
21	Reed Organ	56	Orchestra Hit	90	Pad 2 (warm)	125	Telephone Ring
22	Accordion	BRASS		91	Pad 3 (polysynth)	126	Helicopter
23	Harmonica	57	Trumpet	92	Pad 4 (choir)	127	Applause
24	Tango Accordion	58	Trombone	93	Pad 5 (bowed)	128	Gunshot
GUITAR		59	Tuba	94	Pad 6 (metallic)	DRUM LIST	
25	Acoustic Nylon	60	Muted Trumpet	95	Pad 7 (halo)	129	Standard
26	Acoustic Steel	61	French Horn	96	Pad 8 (sweep)	130	Room
27	Electric Jazz	62	Brass Section	SYNTH EFFECT		131	Power
28	Electric Clean	63	Synth Brass 1	97	FX 1 (rain)	132	Eletroni
29	Electric Muted	64	Synth Brass 2	98	FX 2 (soundtrack)	133	Synth
30	Overdriven Guitar	REED		99	FX 3 (crystal)	134	Jazz
31	Distortion Guitar	65	Soprano Sax	100	FX 4 (atmosphere)	135	Brush
32	Guitar Harmonics	66	Alto Sax	101	FX 5 (brightness)	136	Classic
BASS		67	Tenor Sax	102	FX 6 (goblins)	137	Effect
33	Upright Bass	68	Baritone Sax	103	FX 7 (echoes)		
34	Electric (finger)	69	Oboe	104	Sci-Fi		

⚠Please note, for voices from 001 - 128 in the table, the "No." is the displayed voice number. The MIDI program number for any voice listed is one less than the display number. For example voice 001 Acoustic Grand Piano Midi program number is 000, voice 002 Bright Acoustic Piano MIDI program number is 001, and so forth.

TAKING CARE OF YOUR DIGITAL PIANO

This digital piano will supply you with years of musical enjoyment if you follow the simple rules listed below.

SERVICE AND MODIFICATION

Do not attempt to open the piano or make any change in the circuits or parts of the unit. This product should be serviced by qualified service personnel when;

- The power supply cord or the plug has been damaged,
- Liquid has been spattered into the unit or it has been exposed to rain,
- The instrument does not appear to operate normally or exhibits a marked change in performance or
- The instrument has been dropped or the cabinet has been damaged.

HANDLING AND TRANSPORT

- Never apply excessive force to the controls, connectors or other parts of the instrument.
- Always unplug cables by gripping the plug firmly, not by pulling on the cable.
- Disconnect all cables before moving the instrument.
- Physical shocks caused by dropping, bumping, or placing heavy objects on the instrument can result in scratches and/or more serious damage.
- Avoid placing vinyl objects on top of the instrument, vinyl can stick to and discolor the surface.

CLEANING

- Clean the cabinet and panel with a soft, nonabrasive, dry cloth. A wax based polish may be used on the cabinet. Do not use paint thinner or chemical based polishes.
- To maintain the luster of the keys and buttons wipe with a clean, slightly damp cloth, and then polish with a soft dry cloth.

LOCATION

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

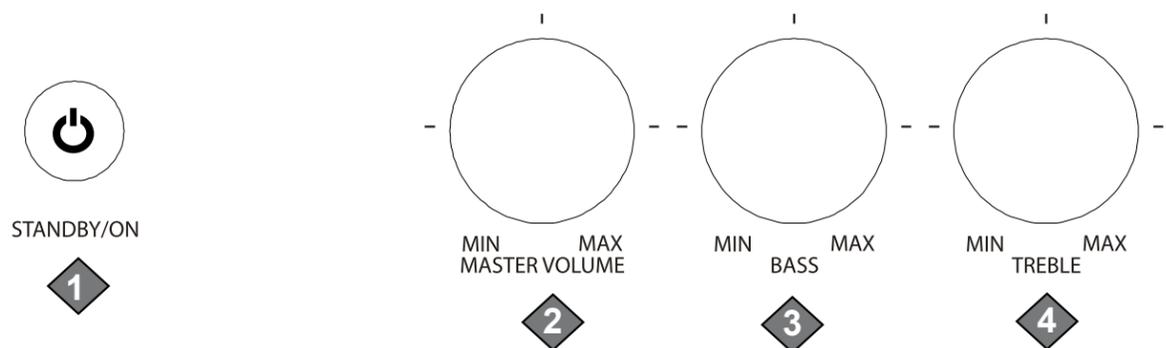
- Direct sunlight (near a window)
- High temperatures (near a heat source, outside, or near a window)
- Excessive humidity
- Excessive dust
- Strong vibration
- Leave enough space around the piano for it to be properly ventilated.
- This instrument contains digital circuitry and may cause interference if placed too close to radio or television receivers. If interference occurs, move the instrument further away from the affected equipment.

POWER

- Turn the power switch off when the instrument is not in use.
- To avoid damage, turn the power switches of all related devices off prior to connection or disconnection of MIDI cables.
- Turn the power off if the main cable is damaged or the instrument is spattered with liquid.
- Do not switch the unit on and off in quick succession, this places an undue load on the electronic components.
- Unplug the AC power cord during an electrical storm.
- Avoid plugging the AC power cord into the same outlet as appliances with high power consumption, such as electric heaters or refrigerators.
- Carefully check the amplifier volume control before starting to play. Excessive volume can cause permanent hearing loss.

PANEL CONTROLS

The elegant control panel is divided into several distinct sections. The following is a brief description of all the features located on the control panel.



- 1 STANDBY: /ON** The power switch is located to the left of the keys. Press the button to turn the power on and off. The LCD screen, and the indicator lights for the start up settings, will light up when the power is turned on. This piano is equipped with an automatic power off feature, the piano will shut off automatically after a set time of inactivity. The default time setting is 30 minutes, the Auto Power Off Time can be changed in the Function menu. Please see the Function section of this manual for more information. **Please note**, when you turn the power off, do not turn it back on immediately. Wait at least five seconds to turn the power back on so that the electronic circuits can properly reset.
- 2 MASTER VOLUME:** Use this button to adjust the overall master volume of the keyboard to your desired level. Turn to the right to increase the volume and turn to the left to decrease the volume. **Please note**, at higher volumes there may be audio "clipping" or distortion depending on the frequencies being played. Please reduce the volume if this occurs. **Please also note**, the keyboard and accompaniment volumes can adjusted independently from each other and the master volume by using the KBD.VOL and ACC.VOL buttons with the DATA WHEEL.
- 3 BASS LEVEL:** With the bass tone knob you can adjust the sound of your piano to the room or according to your preferences. As a starting point, set both controls to their neutral 12 o'clock position. If you want more bass sound turn the bass control to the right and if you want less bass sound turn it to the left.
- 4 TREBLE LEVEL:** With the treble tone knob you can adjust the sound of your piano to the room or to your taste. As a starting point, set both controls to their neutral 12 o'clock position. If you prefer a brighter sound turn the treble control to the right, if you prefer a more "rounded" tone turn the treble control to the left.

AUTO BASS CHORD FINGERING GUIDE

FINGERING GUIDE		
CHORD	DISPLAY	INTERVALS
Major	M	1-3-5
Major sixth	M6	1-3-5-6
Major seventh	M7	1-3-(5)-7
Major seventh sharp eleventh	M7 #11	1-(2)-3-#4-(5)-7
Major add ninth	M 9	1-2-3-5
Major seventh ninth	M7 9	1-2-3-(5)-7
Major sixth add ninth	M6 9	1-2-3-(5)-6
Augmented	Aug	1-3-#5
Minor	m	1-b3-5
Minor sixth	m6	1-b3-5-6
Minor seventh	m7	1-b3-(5)-b7
Minor seventh flatten fifth	m7b5	1-b3-b5-b7
Minor add ninth	m 9	1-2-b3-5
Minor seventh add ninth	m7 9	1-2-b3-(5)-b7
Minor seventh add eleventh	m7 11	1-(2)-b3-4-5-(b7)
Minor major seventh	mM7	1-b3-(5)-7
Minor major seventh add ninth	mM7 9	1-2-b3-(5)-7
Diminished	Dim	1-b3-b5
Diminished seventh	Dim7	1-b3-b5-6
Seventh	7	1-3-(5)-b7
Seventh suspend fourth	7sus4	1-4-5-b7
Seventh add ninth	7 9	1-2-3-(5)-b7
Seventh sharp eleventh	7 #11	1-(2)-3#4-(5)-b7
Seventh thirteenth	7 13	1-3-(5)-6-b7
Seventh flatted fifth	7 b5	1-3-b5-b7
Seventh flatted ninth	7 b9	1-b2-3-(5)-b7
Seventh flatted thirteenth	7 b13	1-3-5-b6-b7
Seventh sharp ninth	7 #9	1-#2-3-(5)-b7
Major seventh augmented	M7aug	1-3-#5-7
Seventh augmented	7aug	1-3-#5-b7
Suspended fourth	Sus4	1-4-5
Seventh suspend fourth	7sus4	1-4-5b7

The Fingering Guide table above lists all of the 32 playable chords of the Fingering Mode.

Please note, the intervals listed in parentheses can be omitted. The listed chord fingerings are all in root note position, other inversions can be used with the exception of:

- The M6 chords are only recognized in root note position. All other inversions are interpreted as m7.
- The 69 chords are only recognized in root note position. All other inversions are interpreted as m11
- The m6 chords are only recognized in root note position. All other inversions are interpreted as m7b5.
- With aug and dim7 chords, the lowest note played is assumed to be the root.
- These inversions do not apply to the Piano mode.

MIDI MIDI IMPLEMENTATION CHART

Function	Transmitted	Recognized	Remark
Basic Channel	1 CH	1-16 CH	
Channel changed	1-16 CH	1-16 CH	
Default Mode	3	3	
Note Number 9-120 0-127			
Velocity: Note On	•	•	
Velocity: Note Off	X	•	
Pitch Bender	•	•	
Control Change: 0	•	X	Variation page
1	X	X	Modulation
5	X	X	Portamento value
7, 10	•	•	Volume, Pan
11	X	•	Expression
64, 66, 67	•	•	Sustain, Sostenuto, Soft Pedal
65	X	X	Portamento yes/no
80, 81	•	•	Reverb, Chorus program
91	•	•	Reverb, Chorus send level
98, 99	X	X	NRPNL, NRPHH
100, 101	X	X	RPNL, RPNH
121	•	•	Reset all controllers
123	•	•	All notes off
Program Change	0-127	0-127	
System Exclusive	X	X	
Sys. Common: Song	X	X	
Select	X	X	
Sys. Common: Song Position	X	X	
System: Clock	X	X	
Real Time: Commands	X	X	

Mode 1: OMNI ON, POLY
 Mode 2: OMNI ON, MONO
 Mode 3: OMNI OFF, POLY
 Mode 4: OMNI OFF, MONO

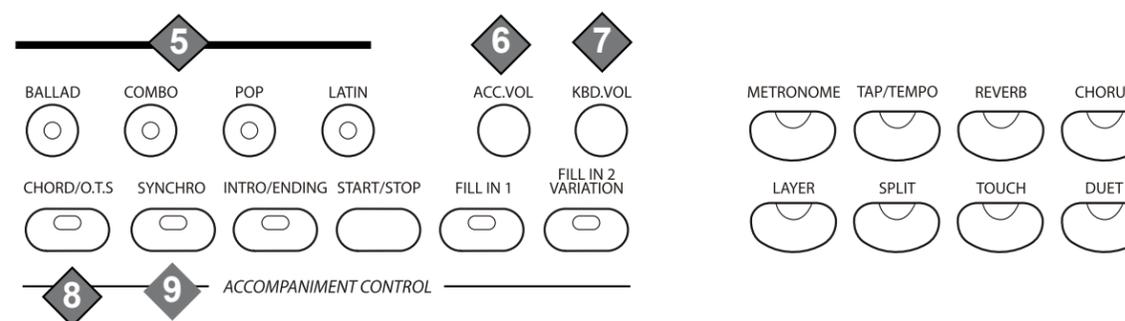
MIDI CHANNELS

The MIDI system in this unit has 16 channels numbered from 1-16. Each of the channels is responsible for a voice. When the instrument receives from an external device, the active channel is determined by the control message. The transmission channels on this keyboard are fixed as follows:

- **Channel 1:** Master voice
- **Channel 2:** Layer voice
- **Channel 3:** Split voice
- **Channel 4:** Bass in manual bass chord mode
- **Channel 7:** Chord in manual bass chord mode
- **Channel 10:** Percussion sound

Please see the MIDI Implementation Chart for more details

PANEL CONTROLS



5 QUICK SELECT STYLE BUTTONS: There are four Rhythm Styles that can be selected quickly by pressing one of the four quick select rhythm style buttons. The rhythm style name is printed above the style select button. Press a button to select the style of your choice. The selected rhythm name and its number will be shown on the display. This piano offers 100 rhythm styles and a variation of each style pattern to choose from. Press any style select button to engage the style select menu and use the +/YES and the -/NO buttons or the DATA WHEEL to select a style. The style name and its number will be shown on the display. There is a complete list of all 100 styles in the back of the manual. Please see the Rhythm section of this manual for more information

6 ACC. VOL: Press the ACC.VOL button and use the DATA WHEEL or the +/YES or -/NO buttons to adjust the volume of rhythm style and the auto accompaniment only, the keyboard instrument voice will not be affected.

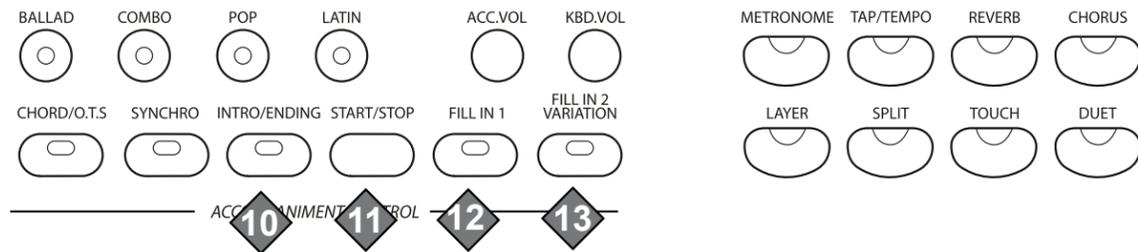
7 KBD. VOL: Press the KBD.VOL button and use the DATA WHEEL or the +/YES or -/NO buttons to adjust the volume of the keyboard instrument main instrument voice only, the auto accompaniment will not be affected. To adjust the volume of the layer voice press the LAYER button and while the indicator is flashing, press the KBD.VOL button, then use the DATA WHEEL or the +/YES or -/NO buttons to adjust the volume of the keyboard instrument layer voice only. To adjust the volume of the split voice press the SPLIT button and while the indicator is flashing, press the KBD.VOL button, then use the DATA WHEEL or the +/YES or -/NO buttons to adjust the volume of the keyboard instrument split voice only.

8 CHORD/O.T.S.: Each of the 100 rhythm styles has a fully orchestrated auto accompaniment pattern. These accompaniments are dedicated to the selected rhythm style, and will create rhythm, bass and chord accompaniments. Press the CHORD/ O.T.S. button to engage the auto accompaniment mode. With this function engaged, the keys to the left side of the split point are the auto accompaniment section of the keyboard, while the keys to the right are available for normal playing. The auto accompaniment fingering modes are single and fingered. Select the auto accompaniment finger mode with the FUNCTION button. Please see the Auto Accompaniment section of this manual for more information.

Press and hold the CHORD/ O.T.S. button to toggle the O.T.S., or one touch setting, on and off. This convenient feature automatically selects the most suitable voice and various panel settings for the rhythm style, and it's corresponding auto accompaniment.

9 SYNCHRO: Synchronized Start sets the auto accompaniment into standby mode. The rhythm style will start as soon as you play on the left hand side of the keyboard. With auto accompaniment engaged the rhythm style will start as soon as you play on the left hand side of the keyboard and the auto accompaniment will start with the first recognized chord played, depending on which fingering mode is selected. Pressing the SYNC START button again will stop the auto accompaniment and put the keyboard back on standby mode.

PANEL CONTROLS

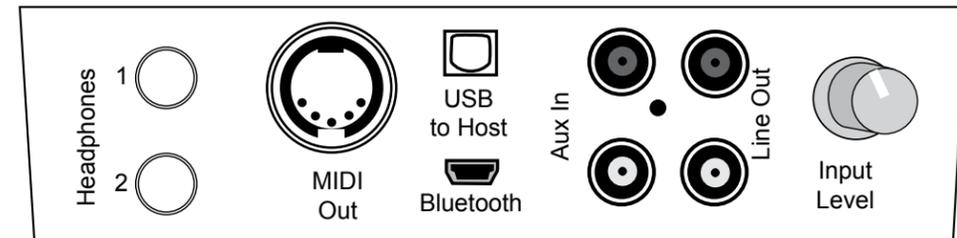


- 10 INTRO/ENDING:** Each of the 100 rhythm styles can be started or finished with a detailed introduction and/or ending pattern. When INTRO/ENDING is engaged, an introduction of rhythm pattern will sound followed by the main pattern. When a rhythm or accompaniment pattern is already playing, the accompaniment will be professionally completed with an ending pattern from the next measure by pressing the INTRO/ENDING button.
- 11 START/STOP:** The START/STOP button immediately starts or stops the selected rhythm style. The auto accompaniment will start with the first recognized chord played depending on the fingering mode selected.
- 12 FILL IN 1:** The fill-in feature provides the accompaniment with a short rhythm pattern of one or two measures for each style. Press the FILL IN button at any time while the accompaniment is playing to add a fill. If you hold down the FILL IN button, the fill pattern will repeat until the button is released, and then the main pattern will resume from the beginning of the next measure. The FILL buttons can also be used to start a rhythm style.
- 13 FILL IN 2 VARIATION:** The 100 rhythm styles and their corresponding auto accompaniments all include a variation of that style and accompaniment that can be heard simply by engaging the FILL IN 2 VARIATION button. Press the FILL IN 2 VARIATION button and the fill variation will play followed by the variation of the selected rhythm style. The FILL buttons can also be used to start a rhythm style. Press the FILL IN 1 button again to disengage the variation and return to the main pattern after the fill.

MIDI

MIDI stands for Musical Instrument Digital Interface. This is a worldwide standard communication interface that enables electronic musical instruments and computers of all brands to communicate with each other so that data can pass between them. This exchange of information makes it possible to create a system of MIDI instruments and devices that offers far greater versatility and control than is available with isolated instruments. Whether you interface with computers, sequencers, expanders or other keyboards, your musical horizons will be greatly enhanced.

If you are an advanced MIDI user, this section will help you to access the MIDI controller capabilities of the piano. If you already know that you need this specialized functionality, then this section is for you. However, this information is not necessary in order to enjoy playing the piano.



MIDI CONNECTION

The MIDI terminal is located on the left side of the piano, under the key-bed. For more information regarding transmitted MIDI data please see the MIDI implementation chart at the back of this manual. The MIDI Local, USB MIDI In and the MIDI Out are turned adjusted using the Function menu. Please see the Function section of this manual for more information.

MIDI OUT

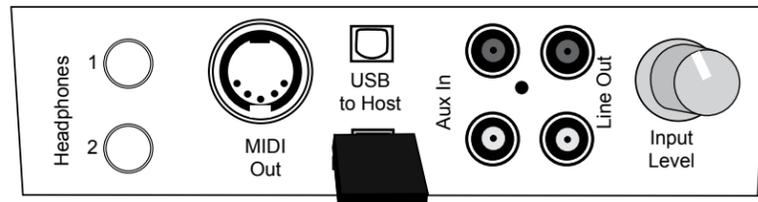
This terminal transmits data from this instrument to other MIDI devices. The transmitted data includes the note and touch velocity produced while playing on the keyboard, as well as voice changes, wheel operation, and recorded playback for the melody tracks. Demo songs and auto accompaniment are not transmitted.

LOCAL ON/OFF

This function allows you to turn on or off the speaker system of the piano, local is the MIDI Channel message that sets whether your keyboard is going to trigger its internal sounds (Local ON) or not (Local OFF). Normally, playing on the keyboard generates sound while it sends MIDI messages via the MIDI connector or USB. This mode is called Local On. You can mute the piano sounds while still sending out the MIDI messages. This mode is called Local Off. Turning the Local On/Off function to off, will disconnect the keyboard from the internal sound engine of the piano. This means you can use the piano as a MIDI controller to control other MIDI devices or virtual instrument software running on your computer without playing the internal sounds of the piano.

You may also find other occasions such as when you are using MIDI sequencing software on your computer, where it is useful to turn the Local Off. Local On/Off is found in the Function menu. Please see the Function section of this manual for more information.

BLUETOOTH



🔊 **Please note**, Bluetooth devices should be placed near and in direct view of the Bluetooth receiver when initially set up. The distance and strength of the signal will depend on environmental conditions. Please make sure the volume of the piano and the Bluetooth device is turned up.

If you are unable to connect to your Bluetooth device, please make sure that any other previously connected device has been disconnected.

If you are still unable to connect, please turn the Bluetooth function on your device off, and then back on to attempt to connect.

To change Bluetooth devices during normal operation disconnect the first Bluetooth and then reconnect to the new device following the above instructions.

🔊 **Please also note**, due to differences in Bluetooth technology, some Bluetooth enabled devices may be incompatible, function improperly, or may not support all features when used with the wireless receiver.

- TROUBLESHOOTING

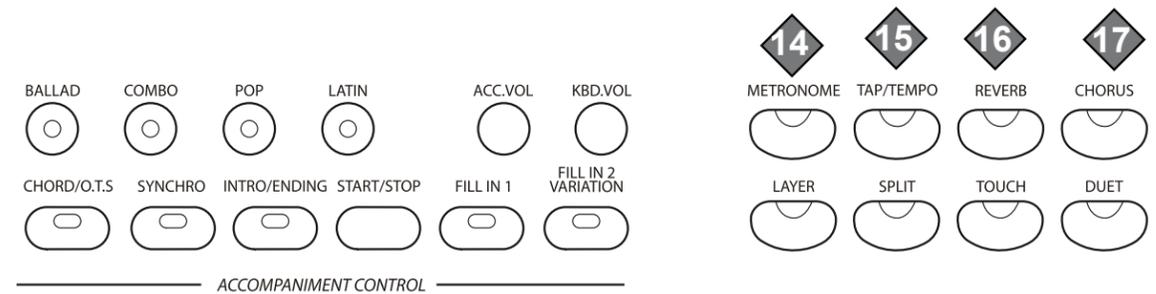
Please make sure the volume of the piano and the Bluetooth device is turned up.

If you are unable to connect to your Bluetooth device, please make sure that any other previously connected device has been disconnected.

If you are still unable to connect, please turn the Bluetooth function on your device off, and then back on to attempt to connect.

To change Bluetooth devices during normal operation disconnect the first Bluetooth and reconnect to the new device following the above instructions.

PANEL CONTROLS



14 METRONOME: The metronome is a convenient feature for practice, and can also provide a solid rhythmic guide when recording. The METRONOME button toggles the metronome feature on and off. Press the metronome button to hear the tempo & beat.

The tempo can be adjusted with the TAP/TEMPO button.

Use the FUNCTION button and the +/YES and the -/NO buttons to select the beat of your choice; 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8 or 12/8.

Please see the Function section for more information.

15 TAP/TEMPO: Press the TAP/TEMPO button, the current tempo value will appear on the display. Use the DATA WHEEL or the +/YES or -/NO buttons to change the tempo.

If you press, or "tap" the button twice while a rhythm is playing it will set the tempo to the speed of your taps. If you want to "tap" in a tempo before starting a rhythm style, tap the button 4 times.

🔊 **Please note**, there is a virtual four-dot beat indicator in the LCD screen. It flashes in time to indicate the tempo and beat for the selected rhythm style.

Please see the Rhythm section of the manual for more information.

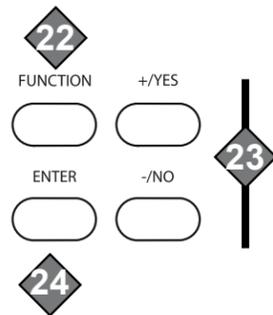
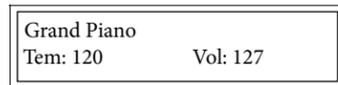
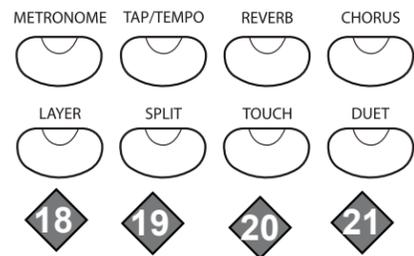
16 REVERB: Reverb simulates the effect of playing in a big room or a hall where the sound reverberates off the walls and ceiling. Toggle the reverb effect on and off with the REVERB button. There are 8 reverb effects available, please see the Keyboard Voices section of this manual for more information.

Reverb level for the main, split and layer voices can be changed in the function menu, please see the Function section of this manual for more information.

17 CHORUS: The Chorus effect adds depth and spaciousness to the selected keyboard voice. Toggle the chorus effect on and off with the CHORUS button. There are 8 chorus effects available, please see the Keyboard Voices section of this manual for more information.

The chorus level for the main, split and layer voices can be changed in the function menu, please see the Function section for more information.

PANEL CONTROLS



18 LAYER: Pressing the LAYER button will put the keyboard in the layer, or dual, mode. Layer refers to an additional voice that is tone mixed with the main selected keyboard voice. The assigned layer voice will be heard with the original voice when the keys are played. Please see the Keyboard Voices section of this manual for more information.

19 TOUCH: The touch function provides three types of keyboard sensitivity to match different playing styles. The TOUCH button engages the touch response. Use the +/YES or -/NO buttons to change the touch response within three seconds after the TOUCH button has been engaged., press the TOUCH button again to turn the Touch feature off, the fixed response. Please see the Keyboard Voices section of this manual for more information.

20 SPLIT (LOWER): With the split feature engaged the keyboard operates in the split, or lower mode. In the split mode the keyboard is divided into two sections. In the right hand section the main or layered voice will sound, and in the left hand section a different voice can be assigned to sound when the keys are played. Please see the Keyboard Voices section for more information.

21 DUET: With the duet feature engaged the keyboard is divided into two sections, left A1-C3 and right C#3-C7 that have the exact same notes. The two sections will share the same voice and volume. This is a great feature for teaching or when two people want the play the piano simultaneously. Please see the Keyboard Voices section for more information.
Please note, engaging the DUET feature will disable the Layer, the Split and the Auto Accompaniment modes.

22 FUNCTION: The FUNCTION button is used to access the function menu. The function menu can be used to adjust or change the values of a number of settings. Please see the Function section of this manual for more information.

23 +/YES or -/NO: Use the +/YES or -/NO buttons to access different options of selected features and functions.

24 ENTER: Use the ENTER button to confirm a selection of a feature button and to confirm selections within the function menu.

BLUETOOTH

BT-1 ARTESIA BLUETOOTH CONNECTION

Artesia adds Bluetooth to your digital piano! Plug this tiny unit into the allotted slot on the connector panel and stream high-quality audio from Bluetooth devices like your smartphone, tablet or computer. Now you will be able to listen to music files and music apps from your Bluetooth-enabled devices on your piano. This receiver is compatible with most A2DP stereo Bluetooth-enabled devices.

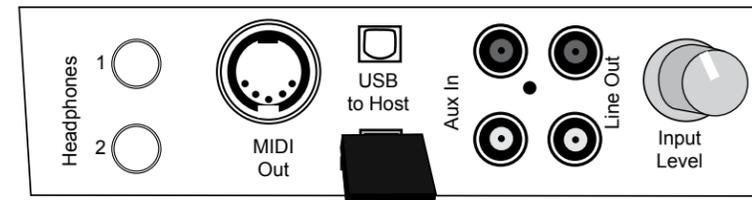


SPECIFICATIONS

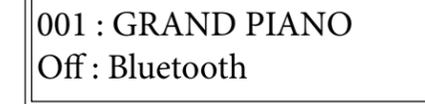
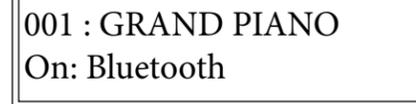
Compliant with Bluetooth 2.1+EDR specs
 Operates in 2.402-2.480 GHz ISM band
 4dBm output max power
 80dBm receiver sensitivity

The included Artesia BT-1 Bluetooth receiver turns your piano into a home entertainment center for the entire family and allows you to play along with your favorite hits.

BLUETOOTH CONNECTION



- 1 Make sure that the piano is powered off, if not please press the POWER button to do so. Insert the Bluetooth receiver into the Bluetooth slot located on the connector panel on the left side of the piano underneath the key-bed.
- 2 Press the POWER button to turn the piano on. The blue indicator light on the Bluetooth receiver will flash.
- 3 Press the FUNCTION button and use the +/YES, -/NO buttons or the DATA WHEEL to select The Bluetooth Menu.
- 4 From the sub-menu, turn the Bluetooth feature on by pressing the +/YES button and then the ENTER button. The blue indicator will begin to flash quickly, it will continue to flash, once every .7 second, while connecting to another Bluetooth device.



- 5 You will find the Artesia BT-1 as an option on your Bluetooth device's settings, select the BT-1 from your device to connect. When the BT-1 receiver has successfully connected the blue indicator light on the receiver will remain on. Use your Bluetooth device to access the information that you want to hear through the piano. The keyboard is available for playing while the recording is playing back. Play along with your favorite band!
- 6 Use the Function Bluetooth menu again to turn Bluetooth off.

USB

USB is a digital audio interface. The USB feature allows you to record your songs or registrations on a USB drive, or to listen to any MIDI files prerecorded onto a USB.

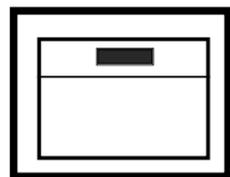
INSERT THE USB

Insert the USB flash drive in the USB TO DEVICE slot with the top (fat) side up and leading into the slot. Gently push the USB drive into the slot, it will be a snug fit and the protruding end will be angled slightly upwards. Do not force the USB drive.

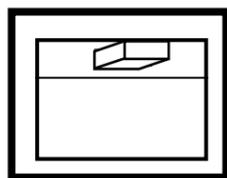
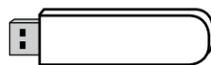
REMOVE THE USB

To remove the USB flash drive grasp the protruding end and pull straight out at following it's upward angle until it slides out from the slot, again it is a snug fit, do not force.

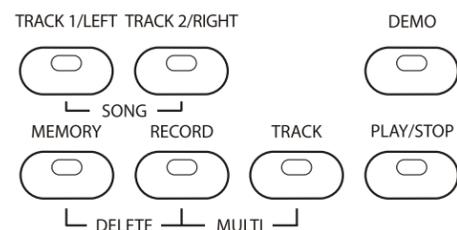
Do not remove the USB flash drive or turn off the power when the USB TO DEVICE is engaged to avoid memory loss or damage to the USB flash drive or the USB TO DEVICE reader.



USB TO DEVICE



USB TO DEVICE



PLAY

To play the prerecorded SMF (Standard MIDI File) format songs that are on the USB flash drive.

1 Insert the USB flash drive into USB TO DEVICE slot. The blue indicator light on the MEMORY button will be lit and the screen will show the first song available for playback.

2 Use the +/YES, -/NO buttons or the DATA WHEEL to select a song.

3 Press the PLAY/STOP button, the blue indicator will flash and the music sequencer will automatically load the first MIDI File Song that is on the USB and it will begin to play. The music sequencer will continue to load and play all songs in sequence.

The keyboard is available for playing while the recording is playing back. If the metronome is engaged it will tick to the tempo of the recording. You can adjust the tempo by using the TAP/TEMPO button and the DATA WHEEL.

4 Press the PLAY/STOP button at any time to stop the play or to select another song.

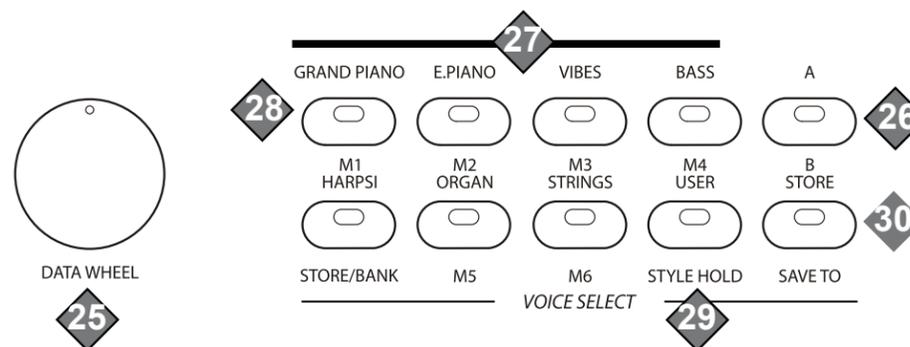
5 Press the MEMORY button to disengage the USB drive, press the MEMORY button again to return.

Please note, the USB Play Mode, USB Play Speed, USB Play Volume and USB Mute Track can all be manipulated from the Function menu.

Please see the Function section of this manual for more information.

Please see the Record section of this manual for information regarding recording to USB.

PANEL CONTROLS



25 DATA WHEEL: Use the data wheel to quickly scroll through available selections or options within the pianos features and functions.

The +/YES and the -/NO buttons are also used to access or alter many of the features and settings on the piano.

26 A/B BUTTON: This group of ten panel control buttons are dual function. Press the A/B button to alternate between the two selection lines. The line A function is printed above the button and the line B function is printed beneath the button. The A/B button will be unlit when the top line A is active, a voice button indicator will be on instead. The A/B button indicator will be lit when the bottom line, selection line B is active.

Press the A/B button to select the line that corresponds to the selection of your choice.

27 QUICK SELECT VOICE: There are eight instrument voices that can be selected quickly by pressing one of the quick select voice buttons, seven preset voices and one user defined. The quick select voices are each assigned to line A, make sure the line A is selected, the indicator will *not* be lit. The voice name is printed above the voice select button. Press the voice select button, the indicator will light and the selected voice name and its number will be shown on the display.

There are 137 GM (General MIDI) instrument voices available for your playing enjoyment. Press a instrument voice button to engage the voice select menu and use the +/YES and the -/NO buttons or the DATA WHEEL to select a voice. The selected voice name and its number will be shown on the display.

There is a complete list of all 137 voices listed in the back of the manual.

28 GRAND PIANO: The grand piano voice is assigned to line A, make sure that line A is selected, the indicator will be *unlit*. When you press the GRAND PIANO button all keys will play the Grand Piano voice. This and any of the voice quick select buttons will access the voice select mode and then the DATA WHEEL can be used to select any of the 137 voices.

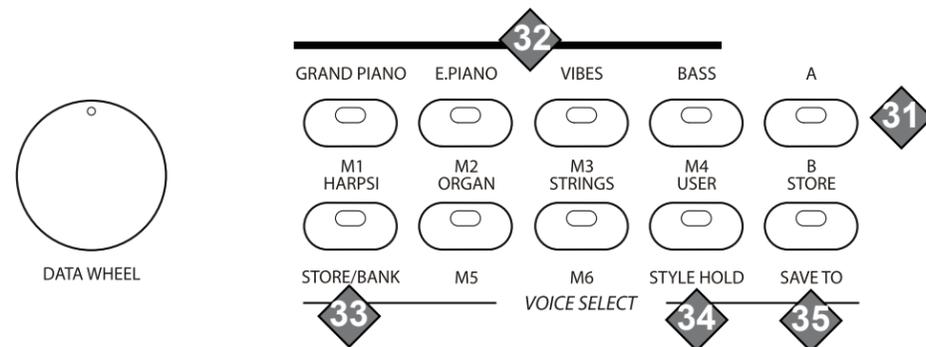
You can also use the GRAND PIANO button as a quick way to reset the piano to its default Grand Piano settings. Press and hold the GRAND PIANO button until "reset piano" appears in the LCD display.

29 USER: You can assign a favorite instrument voice to the voice quick select USER button to always have that voice readily accessible. The user voice is assigned to line A. It is set by using the STORE button.

Please see the Keyboard Voices section of this manual for more information.

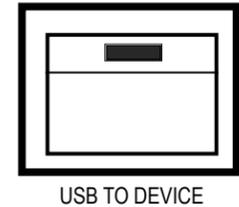
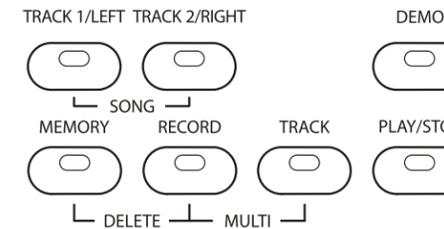
30 STORE: The STORE button is assigned to line A, hold down the STORE button and press, don't hold, the USER button to save the currently selected voice to the USER button for future recall. Please see the Keyboard Voices section of this manual for more information.

PANEL CONTROLS



- 31 A/B BUTTON:** This group of ten buttons are dual function. Press the A/B button to alternate between the two selection lines. The line A function is printed above the button and the line B function is printed beneath the button. The indicator will be lit when the bottom line, selection line B is active, and dark when line A is active. Press the A/B button to select the line that corresponds to the function line of your choice.
- 32 M1-M6 BUTTONS:** Use the line B, M1-M6 buttons in conjunction with the STORE/BANK button to save piano settings to a registration bank. Once saved, the settings can be easily recalled by pressing the M1-M6 button that it was stored to. Please see the Registration Memory section of this manual for more information.
- 33 STORE/BANK:** The STORE/BANK button is assigned to line B, make sure the A/B button indicator is lit. There are six banks, each of which can hold data in each of the M1-M6 buttons. Press the STORE/BANK button to select a bank from 1-6. Hold down the STORE/BANK button and press one of the M1-M6 registration bank buttons to save the current piano settings to that bank. Please see the Registration Memory section of this manual for more information.
- 34 STYLE HOLD:** Press the STYLE HOLD button to toggle the style "freeze" feature on and off. When the Style hold is engaged certain style settings will not be changed when a registration memory is recalled enabling you to change the voice while keeping the style settings. Please see the Registration Memory section of this manual for more information.
- 35 SAVE TO:** When the USB Flash Drive is connected to the USB TO DEVICE terminal the SAVE TO button will enable the piano to save your internal melody track recordings as MIDI files to a USB. Please see the Record and USB sections of this manual for more information.

PLAY ALONG SONGS PRACTICING BOTH HANDS OF THE SONG



- 1 Press the SONG LEFT and the SONG RIGHT buttons simultaneously, the PLAY/STOP indicator will flash blue and the first play along song will appear on the display. Both SONG LEFT and SONG RIGHT indicators will be off.
- 2 Use the +/YES, -/NO buttons or the DATA WHEEL to select a song. The song number and title will appear on the display.
- 3 Press the SONG LEFT and the SONG RIGHT buttons, one at a time, if you press them both you will exit the Play Along Song mode. Both indicators will turn on.
- 4 Press the PLAY/STOP button, after the metronome sound counts in, you can play the left hand auto accompaniment and the right hand melody notes.

001 : GRAND PIANO
****001:SONG****

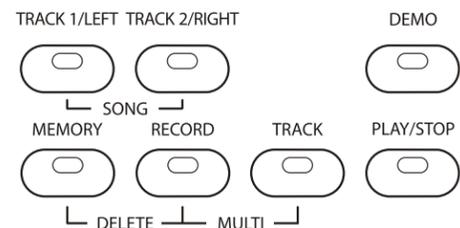
♪Please note, if you want to play slower or faster than the preset tempo, use the TAP/TEMPO button and the DATA WHEEL, to change the tempo value range from 40 to 240 bpm (beats per minute). To recall the default tempo for the selected song press the PLAY/STOP button twice to stop and restart the song will be reset.

001 : GRAND PIANO
Grading: 20%

- 5 The song will stop automatically when it is finished, or you can press the PLAY/STOP button at any time to return to Play Along Song standby. If the Song Grading feature is turned on, you will have a percentage grade displayed in the LCD screen when the song is finished, if you stop the song early there will be no grade. Song Grading can be turned on and off in the function menu. You need to exit the Play Along Song music teacher mode to access the Function menu.
- 6 Press the PLAY/STOP button to try again, or press the SONG LEFT and the SONG RIGHT buttons simultaneously to exit the play along song mode, the PLAY/STOP indicator will go out, then press both track buttons, one at a time, so the indicator lights turn off.

PLAY ALONG SONGS

PRACTICING THE LEFT HAND ACCOMPANIMENT OF THE SONG



- 1 Press the SONG LEFT and the SONG RIGHT buttons simultaneously, the PLAY/STOP indicator will flash blue and the first play along song will appear on the display. Both SONG LEFT and SONG RIGHT indicators will be off.
- 2 Use the +/YES, -/NO buttons or the DATA WHEEL to select a song. The song number and title will appear on the display.
- 3 Press the SONG LEFT button. The indicator will turn on.
- 4 Press the PLAY/STOP button, after the metronome sound counts in, the melody notes will play, and you can play the left hand auto accompaniment.

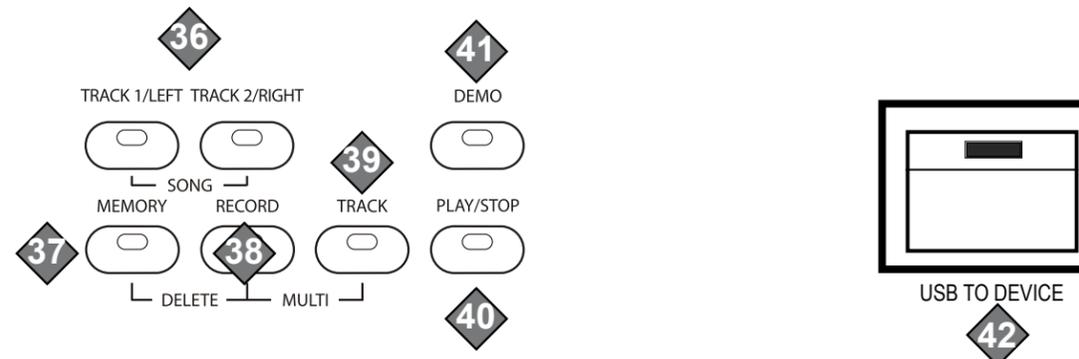
001 : GRAND PIANO
****001:SONG****

♫ **Please note**, if you want to play slower or faster than the preset tempo, use the TAP/TEMPO button and the DATA WHEEL, to change the tempo value range from 40 to 240 bpm (beats per minute). To recall the default tempo for the selected song press the PLAY/STOP button twice to stop and restart the song will be reset.

001 : GRAND PIANO
Grading: 20%

- 5 The song will stop automatically when it is finished, or you can press the PLAY/STOP button at any time to return to Play Along Song standby. If the Song Grading feature is turned on, you will have a percentage grade displayed in the LCD screen when the song is finished, if you stop the song early there will be no grade. Song Grading can be turned on and off in the function menu. You need to exit the Play Along Song music teacher mode to access the Function menu.
- 6 Press the PLAY/STOP button to try again, or next try Both Hands, or press the SONG LEFT and the SONG RIGHT buttons simultaneously to exit the play along song mode, the PLAY/STOP indicator will go out, then press both track buttons, one at a time, so the indicator lights turn off.

PANEL CONTROLS



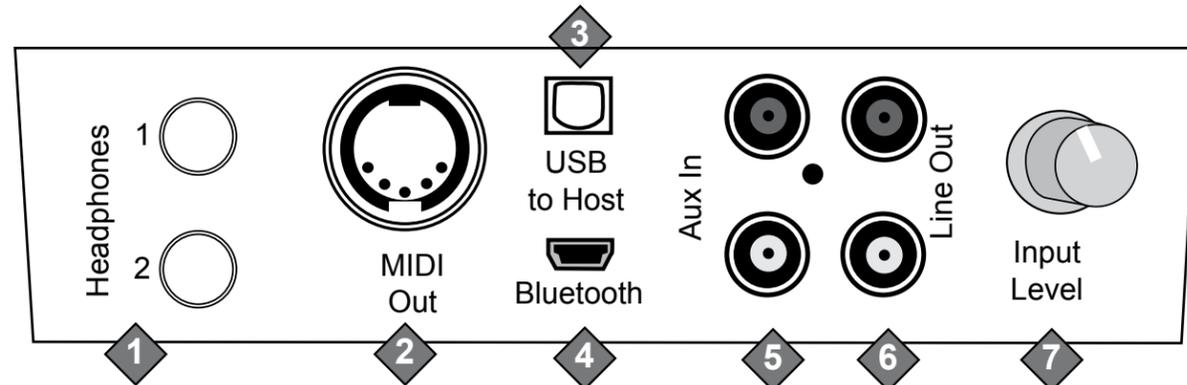
- 36 **TRACK 1/SONG LEFT, TRACK 2/SONG RIGHT:** These buttons have a dual function. When in the melody recording mode these indicators will be lit when the corresponding tracks are selected. Use the TRACK button(s) to choose which track(s) to record in or to playback. Please see the Record section of this manual for more information.

These buttons are also used in conjunction with the play along songs music teacher. When the SONG LEFT and SONG RIGHT buttons are pressed simultaneously the Play Along Song music teacher mode will be engaged or disengaged. This feature can be used as an aid to learn the 55 songs built into the piano. These songs are split into left hand accompaniment and right hand melody portions. The SONG LEFT and SONG RIGHT buttons are used to choose which portion(s) of the song to play. Please see the Play Along Song section of this manual for more information.

♫ **Please note**, indiscriminate pressing of the RECORD SELECTION and the SONG/TRACK buttons can overload the piano and cause the circuits to jam. In the event of that occurrence you may need to turn the piano off to reset the circuits.
- 37 **MEMORY:** The MEMORY button is used to access and engaged USB flash drive. Please see the USB section of this manual for more information.
- 38 **RECORD:** The REC button is used to engage the recording mode to record your playing. This unit is able to record one song internally, with a 2-melody track sequencer. All note events will be recorded exactly as they are performed. This recorded information will not be lost when the power is turned off and can be saved to a USB drive. Please see the Record section of this manual for more information
- 39 **TRACK:** When recording to USB use this TRACK button to select recording tracks. Please see the Record and USB section of this manual for more information
- 40 **PLAY/STOP:** Press the PLAY/STOP button to hear your selected recorded tracks when in the Record mode, the Play Along Songs when in the Play Along Songs Music Teacher mode and the recorded USB data when the MEMORY button is engaged and a USB drive with MIDI files is connected. Press the PLAY/STOP button again to stop any playback.
- 41 **DEMO:** Press the DEMO button, the indicator turns on and the first of the ten different demonstration songs will play. Please see the Demo section of this manual for more information.
- 42 **USB TO DEVICE:** On the far right side of the piano is the USB TO DEVICE port. When you insert your USB flash drive into this USB terminal you can record your performances and save your registrations to the USB drive, or play MIDI songs from a USB.

CONNECTOR PANEL

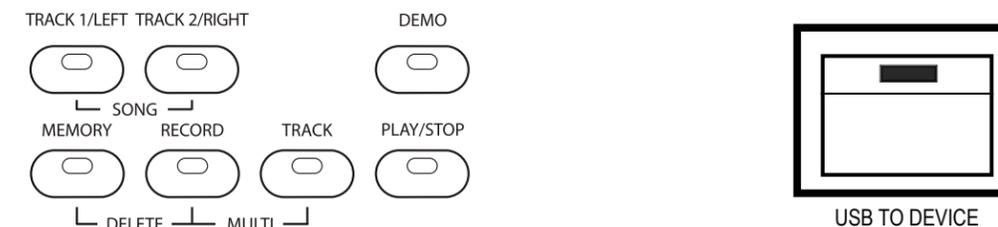
This connector panel, is located on the bottom left of the piano, under the key bed. It allows you to connect external audio equipment, a computer, MIDI equipment or headphones.



- 1 HEADPHONES 1 & 2:** You can play in total silence, without disturbing others in the room, by plugging a set of headphones into one of the appropriate sockets. When headphones are plugged into either of these jacks the internal speaker system is turned off. Two sets of headphones may be used simultaneously.
Please note, using headphones at high volume levels may cause permanent hearing damage.
- 2 MIDI OUT:** This piano contains a MIDI output port that transmits MIDI data to another MIDI device allowing communication with other products equipped with MIDI interfaces. Connect the piano's MIDI Out to another device's MIDI In to transmit MIDI data to that device. Please see the MIDI section of this manual for further details.
- 3 USB TO HOST:** USB is a digital audio interface. The USB connector allows you to connect the piano directly to your computer's USB port by USB cable. This allows you transfer MIDI information over USB to a computer. This piano is USB Class Compliant, therefore there is no need to install a driver. Just plug it in and the OS will do the rest. The piano will work with all standard MIDI based computer software.
Please note, for recording and listening to MIDI files use the USB TO DEVICE dock located on the right side of the control panel.
Please also note, do not turn on the piano with the USB cable connected to the computer to avoid having to restart your computer. It can be connected without driver installation under the Windows XP, Windows 7 and MAC OSX environment. The piano will be recognized as USB audio device to receive and transmit MIDI messages.
- 4 BLUETOOTH:** Plug the tiny Bluetooth receiver unit into the allotted slot on the connector panel to stream audio from any Bluetooth device.
 Turn the Bluetooth capability on and off in the Function menu.
 Please see the Bluetooth section of this manual for more information.
- 5 AUX IN:** These stereo RCA audio input jacks will amplify the supplied signal through the internal sound delivery system. They can be used to hook up items such as CD players, MP3 player or Cassette player. The audio output from the other sound system can be mixed with the sound of the piano, this function is convenient for playing along to a favorite song.
- 6 LINE OUT:** These stereo RCA line audio output jacks supplies the piano's output signal to external amplification, such as home stereo, PA system or keyboard amplifier or to send to a mixing console or tape recorder. The piano's internal sound system will remain on unless headphones are plugged into either headphone jack.
- 7 INPUT LEVEL:** Use this control knob adjusts the Aux In signal level for the piano. Turn the knob clockwise to increase the level and counterclockwise to decrease the level.

PLAY ALONG SONGS

PRACTICING THE RIGHT HAND MELODY OF THE SONG



- 1** Press the SONG LEFT and the SONG RIGHT buttons simultaneously, the PLAY/STOP indicator will flash blue and the first play along song will appear on the display. Both SONG LEFT and SONG RIGHT indicators will be off.
- 2** Use the +/YES, -/NO buttons or the DATA WHEEL to select a song. The song number and title will appear on the display.
- 3** Press the SONG RIGHT button. The indicator will turn on.
- 4** Press the PLAY/STOP button, after the metronome sound counts in, the auto accompaniment will play, and you can play the right hand melody notes.

001 : GRAND PIANO
 ****001:SONG****

- Please note**, if you want to play slower or faster than the preset tempo, use the TAP/TEMPO button and the DATA WHEEL, to change the tempo value range from 40 to 240 bpm (beats per minute). To recall the default tempo for the selected song press the PLAY/STOP button twice to stop and restart and the song will be reset.

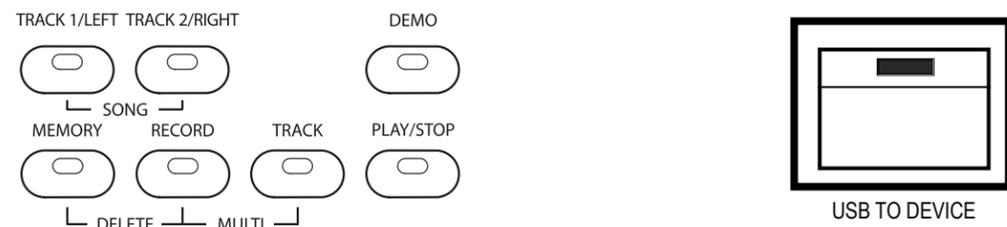
001 : GRAND PIANO
 Grading: 20%

- 5** The song will stop automatically when it is finished, or you can press the PLAY/STOP button at any time to return to Play Along Song standby.
 If the Song Grading feature is turned on, you will have a percentage grade displayed in the LCD screen when the song is finished, if you stop the song early there will be no grade. Song Grading can be turned on and off in the function menu. You need to exit the Play Along Song music teacher mode to access the Function menu.
- 6** Press the PLAY/STOP button to try again, or next try the Left Hand, or press the SONG LEFT and the SONG RIGHT buttons simultaneously to exit the play along song mode, the PLAY/STOP indicator will go out, then press both track buttons, one at a time, so the indicator lights turn off.

PLAY ALONG SONGS

There are 55 songs, of varying difficulty, built into the piano for you to practice and learn how to play. These songs have separate left hand or accompaniment, and right hand or melody, parts that can be turned on and off independently, so you can learn right, left and both hand portions as you progress in skill.

SELECT AND LISTEN TO A SONG



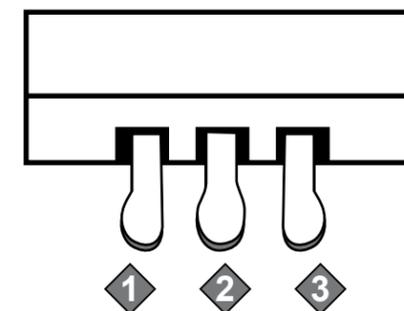
- 1 Press the TRACK 1/SONG LEFT and the TRACK 2/SONG RIGHT buttons simultaneously, the PLAY/STOP indicator will flash blue and the first play along song will appear on the display. Both SONG LEFT and SONG RIGHT indicators will be off.
- 2 You can use the +/YES, -/NO buttons or the DATA WHEEL to select a song. The song number and title will appear on the display.
- 3 Press the PLAY/STOP button to listen to both hand portions of the selected song. The song will start after a four beat count in.

001 : GRAND PIANO
****001:SONG****

- 4 The song will stop automatically when it is finished, or press the PLAY/STOP button at any time to stop the playback. The Play Along Song feature will return to standby for you to listen again, choose another song or try the Play Along Song Left Hand, Right Hand or Both Hands.
 - 5 Press the SONG LEFT and the SONG RIGHT buttons simultaneously to exit the play along song mode, the PLAY/STOP indicator will go out, then press both track buttons, one at a time, so the indicator lights turn off.
- ♪**Please note**, indiscriminate pressing of the RECORD SELECTION and the SONG/TRACK buttons can overload the piano and cause the circuits to jam. In the event of that occurrence you may need to turn the piano off to reset the circuits.

PEDALS

This piano is complete with three function pedals.



- 1 **SOFT PEDAL:** When the left soft pedal is engaged the piano volume is reduced and the timbre slightly altered on the notes that are played.
- 2 **SOSTENUTO PEDAL:** When the center pedal is engaged, the keys that are pressed and already sounding will continue to sustain and the notes will decay gradually after they are released. Keys that are played after the pedal has been pressed are not affected.
- 3 **SUSTAIN PEDAL:** Like the damper pedal on an acoustic piano the the right sustain, or damper, pedal will sustain the sound of the piano voice after releasing the piano keys while engaged. The length of sustain time is determined by the amount of pressure used to depress the pedal. This piano also has a Half Sustain feature that can be turned on and off in the Function menu. Please see the Function section of this manual for more information.

DEMO

This piano has ten different demonstration, or demo, songs that are designed to showcase the different sampled voices that are available.



PLAY DEMO SONGS

- 1 Press the DEMO button, the indicator light will turn on and the first demo song will play. The demo song and number will appear on the display and will change as the subsequent songs play. This piano has ten demo songs that will all play in sequence.
- 2 Press the DEMO button again to stop the demonstration.



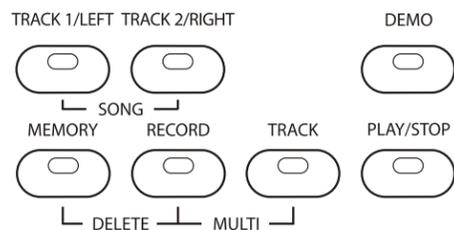
CHOOSE A DEMO SONG

- 1 Press the DEMO button.
- 2 Use the +/YES or the -/NO buttons to change songs while the demo is playing, or use the DATA WHEEL to quickly scroll through the song options. After the song is finished the rest of the demo songs will play in sequence from that point.
- 3 Press the DEMO button again to stop the demonstration.

PLAY ALONG SONGS DEMO

There are 55 songs for the Play Along Song music teacher feature that can also be played back for demonstration.

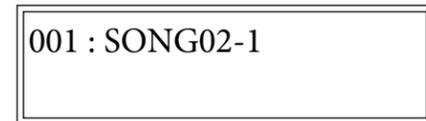
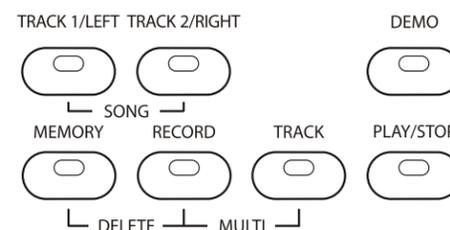
- 1 Press the LEFT and RIGHT SONG buttons simultaneously to enter the music teacher feature. The PLAY/STOP and DEMO button indicator lights will flash and the display will show the first play along song.
- 2 Use the +/YES or the -/NO buttons or the DATA WHEEL to change songs (before or while the demo is playing).
- 3 Press the DEMO button to start the song.
- 4 Press the DEMO button again to stop the demonstration, and press the LEFT and RIGHT SONG buttons simultaneously again to exit the play along song music teacher mode. Please see the Play Along Song section of the manual for more information.



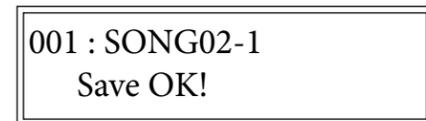
RECORD USB RECORDING

4 To record a new track on the selected song, press and hold the RECORD button and then press the TRACK button (not the TRACK1/SONG LEFT or TRACK2/SONG RIGHT buttons) *at the same time* new track will be created. Any previously recorded track will play and the new track will be layered onto the recording.

To record a new song number press the RECORD button, a new song will be created. The indicator on the RECORD button will flash and the metronome will sound if engaged. Recording will begin after a four beat count in.



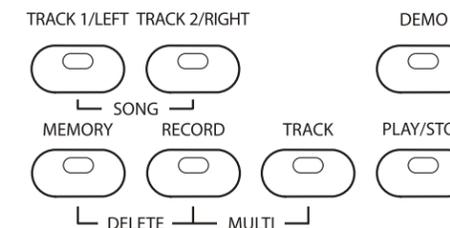
5 When you finish your recording press the RECORD button again to stop recording.



PLAYBACK

1 Press the PLAY/STOP button to hear the recorded track(s) shown on the display. The PLAY/STOP button's indicator will blink during the playback. You can change the tempo of the playback by pressing the TAP/TEMPO button and using the DATA WHEEL, however this will not change the recorded tempo. The keyboard is available for playing while the recording is playing back. If the metronome is engaged it will tick to the tempo of the recording.

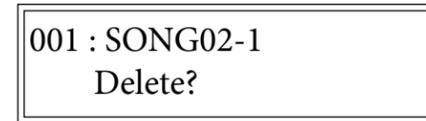
⚠ **Please note**, the USB Play Mode, USB Play Speed, USB Play Volume and USB Mute Track can all be manipulated from the Function menu. Please see the Function section of this manual for more information.



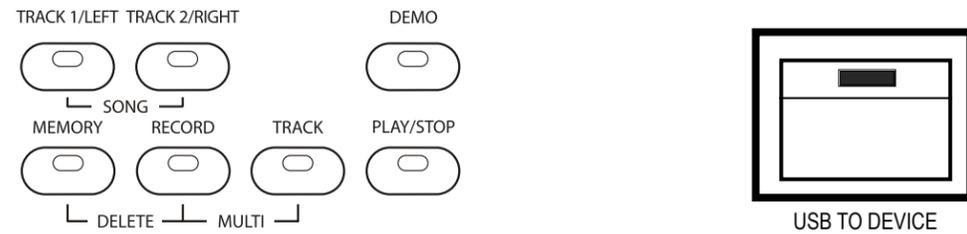
4 Press the PLAY/STOP button again to stop the playback. Playback will stop automatically when the recording reaches its end.

DELETING TRACKS

- 1 Use the DATA WHEEL to select the song and track you wish to delete so that it is showing on the LCD screen. Press and hold the RECORD button and the MEMORY button at the same time.
- 2 The LCD screen will display a confirmation screen asking if you wish to delete your track.
- 3 Press +/YES button to confirm, the track will be deleted.



RECORD



USB RECORDING

1 Before recording prepare the piano by setting the voice, style, volume, tempo, reverb level and other parameters as desired.

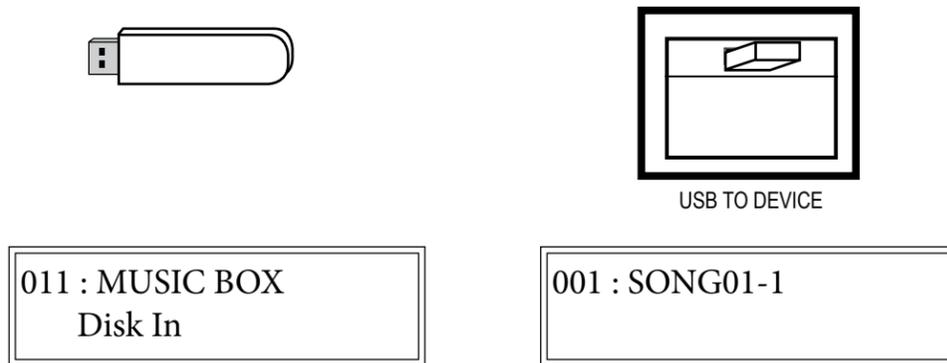
Please note, these settings can be stored into a registration memory for easy recall, please see the Registration Memory section for more information.

2 If desired, press the METRONOME button to enable the metronome as a reference. The metronome will sound to the tempo and beat assigned, if you wish to adjust the tempo, do so by using the TAP/TEMPO button, and if you want to adjust the beat do so in the Function menu before recording as they cannot be changed during recording. The metronome tick will not be recorded.

If you have already recorded one track, the second track's tempo and beat pattern will follow the setting of the first recorded track.

3 Insert the USB disk into the USB TO DEVICE terminal, after a moment the blue MEMORY button indicator will light up signaling that the USB is engaged. If the MEMORY button indicator is not lit, please press the MEMORY button to engage the USB thumb drive.

The display screen will show that the disk has been inserted and then display the first song available on the disk in the format of (File # : SONG #- Track#). Use the DATA WHEEL to cycle through the available songs.



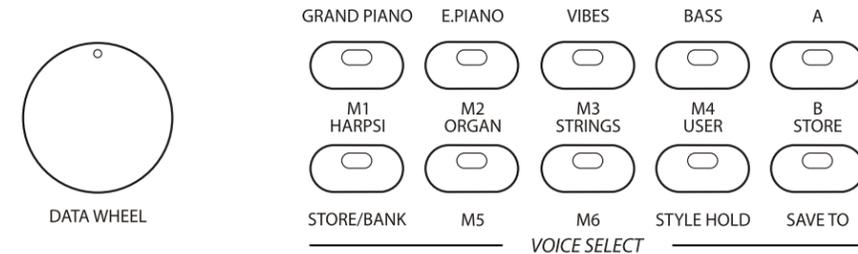
Max. song number on a USB memory is 200.

KEYBOARD VOICES

This piano offers 137 GM (General MIDI) authentic acoustic instrument voices offering unmatched realism with digital effects to further enhance the sound.

Please see the complete list of all 137 voices in the Voice List at the back of this manual.

Please note, the keyboard and accompaniment volumes can adjusted independently from each other and the master volume by using the KBD.VOL and/or ACC.VOL buttons with the DATA WHEEL.



VOICE SELECT

QUICK SELECT VOICE BUTTONS

There are eight voices that can be selected quickly by pressing one of the voice select buttons: Grand Piano, Electric Piano, Vibraphone, Acoustic Bass, Harpsichord, Rock Organ, String Ensemble and a User defined option. These voices are assigned to Instrument line A. The voice name in line A is printed above the voice select button.

1 If needed press the A/B button to select voice line A. The indicator will be *unlit* when line A is selected.

2 Press the voice select button that corresponds to the desired voice. The voice name and its number will show on the display and the newly selected voice is available for playing.



012 : VIBRAPHONE

SELECTING ONE OF THE 137 VOICES

1 The buttons in the VOICE SELECTION group are dual function buttons. The Voice buttons are assigned to the top line A. Make sure that the indicator light on the A/B button is not lit, press the A/B button if necessary.

Press a Voice button to engage the voice selection mode, the indicator will turn on, and the screen will show the currently selected main voice.

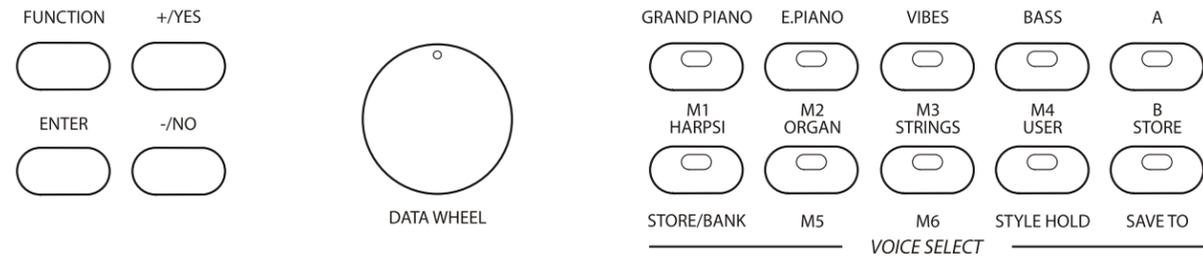
2 Use the DATA WHEEL and/or the +/YES, -/NO buttons to scroll through the voices. The newly selected voice name and number will be on the screen and that voice is selected for playing on the keyboard.

Please refer to the Voice List at the back of the manual for a list of all available voices.



001 : GRAND PIANO

KEYBOARD VOICES



USER DEFINED QUICK SELECT BUTTON

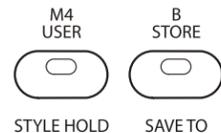
You can assign a favorite voice to the USER quick select button. The default voice is the Nylon Guitar.

- 1 If necessary select line A by pressing the A/B button. The A/B button indicator should be *unlit*.
- 2 Press any of the Quick Select Voice buttons, and choose the voice you want by using the DATA WHEEL or the +/YES, -/NO buttons to scroll through the voices. The newly selected voice name and number will be on the screen.

Please refer to the Voice List at the back of the manual for a list of all 137 available voices

- 3 Press and hold the STORE button (not the STORE/BANK button), and press, don't hold, the USER button. Your selected voice will be assigned to this button and available for instant recall by pressing the USER button.

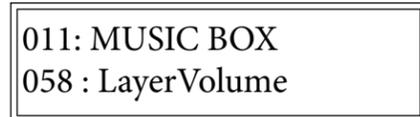
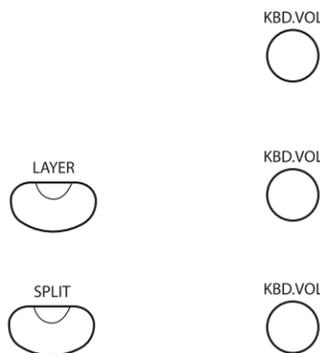
⚠Please note, the USER button assignment will be saved when the power is turned off.



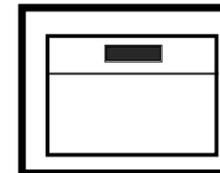
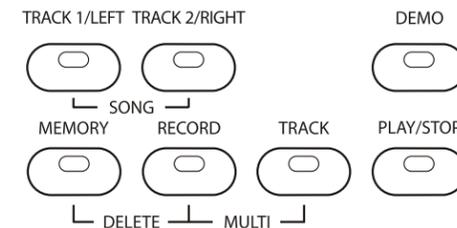
ADJUSTING THE KEYBOARD VOICE VOLUME

To adjust the volume of the main, layer or split voice of the keyboard only.

- 1 Press the KBD.VOL button and use the DATA WHEEL or the +/YES or -/NO buttons to adjust the volume of the keyboard main instrument voice only, the auto accompaniment will not be affected.
- 2 To adjust the volume of the layer voice press the LAYER button and while the indicator is flashing, press the KBD.VOL button then use the DATA WHEEL or the +/YES or -/NO buttons to adjust the volume of the keyboard instrument layer voice only.
- 3 To adjust the volume of the split voice press the SPLIT button and while the indicator is flashing, press the KBD.VOL button, then use the DATA WHEEL or the +/YES or -/NO buttons to adjust the volume of the keyboard instrument split voice only.



RECORD

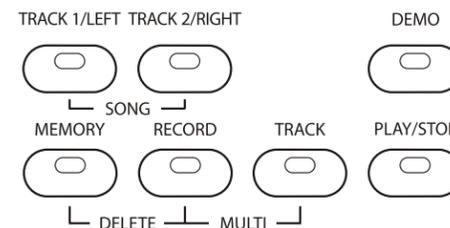


USB TO DEVICE

- 4 You must press the RECORD button again to stop recording. The RECORD button indicator will go out, and the TRACK indicator will stop blinking and remain lit showing that it has recorded information.
 - 5 To exit the record mode, press the TRACK buttons one at a time to disengage all recording functions so none of the indicators are lit. The display screen will return to the currently selected voice.
- ⚠Please note, pressing the Track 1 and Track 2 buttons simultaneously will put the piano in the Play Along Song music teacher mode. Indiscriminate pressing of the RECORD SELECTION group and the SONG/TRACK buttons can overload the piano and cause the circuits to jam. In the event of that occurrence you may need to turn the piano off to reset the circuits.

PLAYBACK

- 1 To listen to the local recorded data press the TRACK button(s) so that the track(s) you want to hear have lit indicators. If you do not wish to hear a track press that TRACK button until it's indicator is out. Press the track buttons one at a time. Pressing them simultaneously will engage the Play Along Song music teacher feature.
- 2 Press the PLAY/STOP button to hear the recorded track(s). The PLAY/STOP button's indicator will blink during the playback. You can change the tempo of the playback by pressing the TAP/TEMPO button and using the DATA WHEEL, however this will not change the recorded tempo. The keyboard is available for playing while the recording is playing back. If the metronome is engaged it will tick to the tempo of the recording.



- 4 Press the PLAY/STOP button again to stop the playback. Playback will stop automatically when the recording reaches its end.
- 5 To exit the record mode, press the TRACK 1 and TRACK 2 buttons, one at a time, so both indicators go out.

DELETING TRACKS

- 1 Press and hold the TRACK 1 or TRACK 2 button that you wish to erase for three seconds. Do not press them at the same time.
- 2 The LCD screen will display a confirmation screen asking if you wish to delete your track.
- 3 Press +/YES button to confirm, the track will be deleted and the indicator will go out. Pressing a track button with recorded information while holding the RECORD button will also immediately erase the existing data from your previous recording. Any recording done will record over previous data.

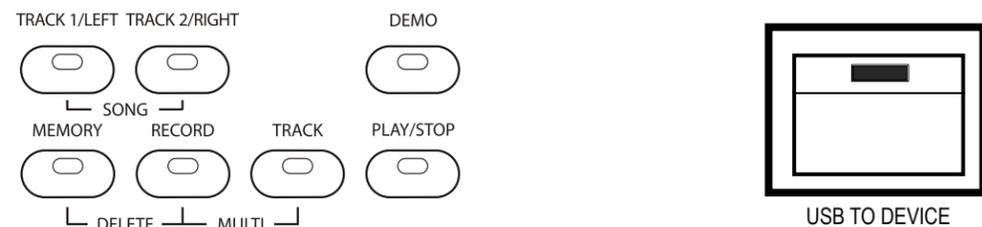
RECORD

This digital piano is equipped with a real time recorder. The song bank has a 2-track sequencer. It will record all note events exactly as they are performed and save it to the local memory. This recorded information will not be lost when the power is turned off. These melody tracks can be saved to a USB disk as MIDI files.

These tracks can playback separately, or in combination as a complete song. The two tracks enable you to overdub one song part on top of another, you can even use a different voice if you like.

This piano also lets you record your performances directly to a USB. This way you can record up to sixteen independent tracks not only of the piano voices but also the auto accompaniment. MIDI files on the USB can also be loaded into the piano's local internal memory.

The record feature is a fun and useful addition to any keyboard study program since it lets you hear exactly how you sound from the listener's perspective.



LOCAL RECORDING

1 Before recording prepare the piano by setting the voice, style, volume, tempo, reverb level and other parameters as desired.

Disengage the CHORD/O.T.S. button if you want to play the keys below the split point.

Please note, these settings can be stored into a registration memory for easy recall, please see the Registration Memory section for more information.

2 If desired, press the METRONOME button to enable the metronome as a reference. The metronome will sound to the tempo and beat assigned, if you wish to adjust the tempo, do so by using the TAP/TEMPO button, and if you want to adjust the beat do so in the Function menu before recording as they cannot be changed during recording. The metronome tick will not be recorded.

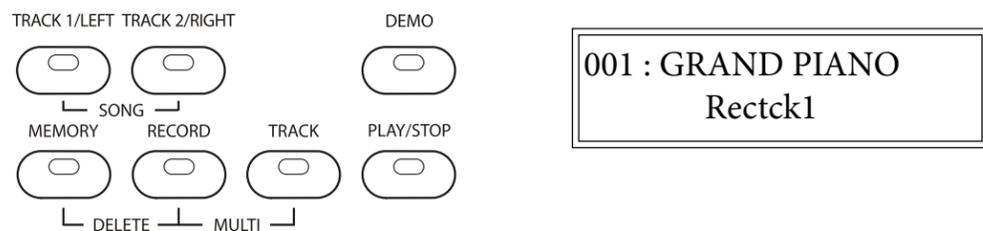
If you have already recorded one track, the second track's tempo and beat pattern will follow the setting of the first recorded track.



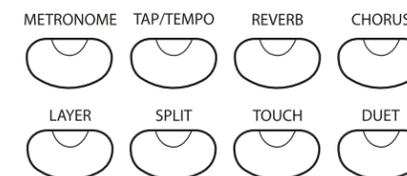
3 Select a track and record. Press and hold down the REC button, then press the track button that you want to record in, TRACK 1 or TRACK 2. The REC button and the selected track button's indicators will blink, showing that the recorder is on standby and will begin recording immediately after a 4 beat count in.

Please note, if you have recorded information on the other track, that indicator will be lit, not blinking, and the recorded music on it will play back as a reference for you while you record the new track. If you do not wish for a previously recorded track to play while you are recording, press the corresponding track button to turn the indicator light off *before* pressing the REC button. If you select a track, while holding the record button, that already has recorded material, that material will be lost.

Please also note, pressing the Track 1 and Track 2 buttons simultaneously will put the piano in the Play Along Song Music Teacher mode. Indiscriminate pressing of the RECORD SELECTION and the SONG/TRACK buttons can overload the piano and cause the circuits to jam. In the event of that occurrence you may need to turn the piano off to reset the circuits.



KEYBOARD VOICES



LAYER VOICE

Layer, or dual, refers to an additional voice that is tone mixed with the selected keyboard voice. The assigned layer voice will be heard with the original voice when the layer feature is engaged. If you need to adjust ratio of the layered to main voice volume, adjust the main voice volume using the KBD.VOL button, this will not affect the layer voice. Adjust the layer voice by using the KBD.VOL button while the LAYER button indicator is flashing.

In the Layer mode the keyboard is split into two sections at the split point. The default split point for voice is the G2 key. A different voice split point can be assigned in the Function menu.

Please see the Function section of this manual for more information



G. PIANO + TROMBONE

1 Press the LAYER button, the currently assigned layer voice will show on the display, and the indicator will light up signaling that the layer feature is engaged.

2 Within five seconds while the indicator is lit, use the +/YES, -/NO buttons or the DATA WHEEL to select the desired layer voice or use one of the quick select voice buttons. Press the ENTER button to confirm. The display will show the main voice and new layer voice name.

3 To turn the layer feature off press the LAYER button, the indicator will go out.

Please note, with no input, the screen will remain in the layer voice select menu for five seconds, then the display will revert to the selected main voice and layer voice.

If the LAYER button indicator is lit, the layer feature is engaged.

Please also note, engaging the DUET feature will disable the Layer and Split modes.

SPLIT VOICE

In the split, or lower, mode the keyboard is divided into two sections. To the right of the split point the currently selected main voice or the layered voices, will sound. The keys to the left of the split point can be assigned to play a different instrument voice. If you need to adjust ratio of the split to main voice volume, adjust the main voice volume using the KBD.VOL button, this will not affect the split voice.

Adjust the split voice by using the KBD.VOL button while the SPLIT button indicator is flashing.

The default split point for voice is the G2 key. It can be changed in the Function menu, please see the Function section for more informations.



001 : GRAND PIANO
031 : DISTGUITAR

1 Press the SPLIT button, the currently assigned split voice will show on the display, and the indicator will flash.

2 While the indicator is lit, use the +/YES, -/NO buttons or the DATA WHEEL to select the desired split voice or use one of the quick select voice buttons. The display will show the split voice number and name.

3 Press the SPLIT button to turn the split feature off, the indicator will go out.

Please note, with no input, the screen will remain in the split voice menu for five seconds, then the display will revert to the selected main voice and split voice.

If the SPLIT button indicator is lit, the split (lower) feature is engaged.

KEYBOARD VOICES

TOUCH

The TOUCH button engages the touch response. The touch function provides three types of keyboard sensitivity to match different playing styles. Press the TOUCH button and within five seconds use the +/YES or -/NO buttons to change the touch response from:

- 1: TouchSoft, the most sensitive keyboard response which permits maximum sound levels with a light touch.
- 2: TouchNormal, an intermediate response suitable for most styles of music. Normal is the default setting.
- 3: TouchHard, a less sensitive keyboard response which requires a heavier touch to obtain maximum sound levels.

When the TOUCH indicator is unlit, regardless of how hard you play, the keyboard will transmit at a constant velocity and the sound will be the same volume.



001 : GRAND PIANO
2 : TouchNormal

- 1 Press the TOUCH button, the currently touch response will show on the display. The indicator will be lit if the touch response is engaged.
- 2 While the touch response is shown in the display, use the +/YES, -/NO buttons to select the desired touch response. The display will show the voice number and touch response for 5 seconds without input.
- 3 Press the TOUCH button to turn the feature off, the indicator will go out, and the current fixed velocity value will be shown in the display. The fixed default velocity value is 100. Use the +/YES or -/NO buttons to adjust the value in the range from 0 - 127 while the value is shown. The display will show the voice number and fixed velocity for five seconds without input.



001 : GRAND PIANO
100 : FixTouch

DUET

With the duet feature engaged the keyboard is divided into two sections that play the same notes. The two sections, left A1-C3 and right C#3-C7 have the exact same notes and share the same voice, octaves and volume. This is a great feature for teaching or when two people want to play the piano simultaneously.

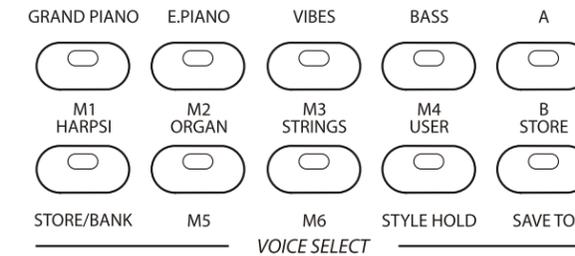
When the duet feature is engaged, the pedals will automatically change configuration so there are two sustain pedals, one for each portion of the keyboards.



001 : GRAND PIANO
On : TeacherDuet

- 1 Press the DUET button, the status of the duet feature will be shown in the display, and the indicator will light up signaling that the layer feature is engaged.
 - 2 To turn the duet feature off press the DUET button so that the indicator goes out.
- ⚠Please note, engaging the DUET feature will disable the Layer and Split modes and the Auto Accompaniment feature.

REGISTRATION MEMORY



RECALL REGISTRATION

- 1 The Registration STORE/BANK and M1-M6 buttons are assigned to the line B, make sure the A/B button indicator is lit and line B is selected, if not press the A/B button.
- 2 Press the STORE/BANK button to select the bank in which the data you wish to recall is stored.
- 3 Press the number M1-M6 button that corresponds to the settings you want to recall in the selected bank, the stored settings will be recalled instantly and the display will show the registration memory number with a "Load" suffix. The display will recover to the voice that is now selected from the registration memory.



011 : MUSIC BOX
5 : Load

STYLE HOLD

When the STYLE HOLD button is engaged the following style data will "freeze" and be protected from registration recall:

Style Name/Number, Tempo, Chord On/Off, Variation On/Off, Style Volume and Chord Split Point.

- 1 Make sure the A/B button indicator is lit and line B is selected, if not press the A/B button.
- 2 Press the STYLE HOLD button to toggle the style data freeze and protect it from change when recalling a registration memory.

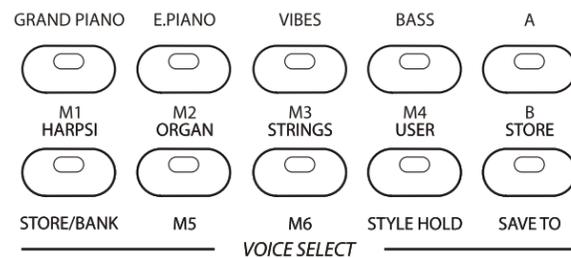


011 : MUSIC BOX
On : Freeze

REGISTRATION MEMORY

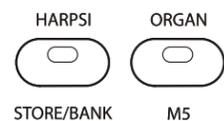
Registration Memory can recall particular settings of style, voice, chord and other parameters or features you have engaged. This piano has six banks each with six registration memories to hold 36 of your favorite settings so that they can be recalled quickly by the press of a button. The registration will not be lost when the power is turned off. The following data can be preset and stored in a registration memory:

Main, Split & Layer Voice	Main, Split & Layer Reverb Level	Chord Split Point
Main, Split & Layer Volume	Main, Split & Layer Chorus Level	Voice Split Point
Main, Split & Layer Pan	Style Hold	Touch On/Off
Transpose	Style (Name/Number)	Split On/Off
Main, Split & Layer Octave	Tempo	Layer On/Off
Metronome Volume	Chord On/Off	Duet On/Off
Reverb On/Off & Reverb Type	Variation On/Off	User Voice.
Chorus On/Off & Chorus Type	Acc Volume	



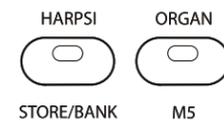
SAVE REGISTRATION

- 1 Preset the voice, rhythm, tempo, accompaniment and any other data that you wish to save.
- 2 The STORE/BANK button is assigned to the line B, make sure the A/B button indicator is lit and line B is selected, if not press the A/B button.
- 3 Press the STORE/BANK button to select a bank, 1-6.



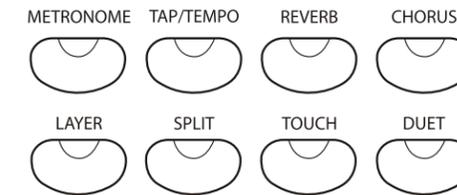
011 : MUSIC BOX
1 : MemoryBank

- 4 Press and hold down the STORE/BANK button (not the STORE button).
 - 5 While holding the STORE/BANK button, press one of the number M1-M6 buttons, from the line B. The display will show the registration memory number with a "Store" suffix. Your settings will be saved into that registration memory bank.
- ♪Please note, if there is information already stored in this a bank, it will be replaced by the new settings.
- 5 Release the STORE/BANK button.



011 : MUSIC BOX
5 : Store

KEYBOARD VOICES



EFFECTS

This piano has two digital effects to further enhance the keyboard voice sounds, reverb and chorus.

REVERB

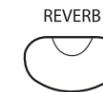
Reverb simulates the effect of playing in a big room or a hall where the sound reverberates off the walls and ceiling. The reverb effect is engaged automatically when the piano is turned on. The reverb setting does not affect the auto accompaniment. Press the REVERB button to turn the reverb effect off and the indicator will go out. Switch the reverb feature on and off by pressing the REVERB button. There are eight reverb effects available:

1-Hall, 2-Hall2, 3-Room1, 4-Room2, 5-Room3, 6-Stage1, 7-Stage2 and 8-Plate.

1 Press the REVERB button, so that the reverb type is shown in the display, you may need to press the button twice, reverb type cannot be selected while the reverb is off.

2 Use the +/YES, -/NO buttons or the DATA WHEEL to select a reverb type.

The reverb level for the main, split and layer voices can be changed in the function menu, please see the Function section of this manual for more information.



001 : GRAND PIANO
7 : Stage2

CHORUS

The Chorus effect adds depth and spaciousness to the selected keyboard voice. Press the CHORUS button to engage the chorus effect and the indicator will light up. Press the button again to turn off the chorus effect. The chorus setting does not affect the auto accompaniment.

There are eight reverb effects available: 1-Chorus1, 2-Chorus2, 3-Chorus3, 4-Feedback, 5-Flanger1, 6-Short Delay, 7-Short DelayFb and 8-Flanger2.

1 Press the CHORUS button, so that the chorus type is shown in the display, chorus type cannot be selected while the chorus is off.

2 Use the +/YES, -/NO buttons or the DATA WHEEL to select a chorus type.

The chorus level for the main, split and layer voices can be changed in the function menu. Please see the Function section for more information



001 : GRAND PIANO
3 : Chorus3

RHYTHM

This piano offers 100 rhythm styles and a variation of each of those style patterns to choose from. The rhythm section of the keyboard is assigned by the auto accompaniment split point. The keys on the left of the split point are reserved for the auto accompaniment. The keys to the right are available for normal playing. Each rhythm style includes an introduction, the main pattern, two fill-ins, a variation and an ending pattern. Please see the complete list of all 100 rhythm styles in the back of the manual.

♪ **Please note**, the keyboard and accompaniment volumes can be adjusted independently from each other and the master volume by using the KBD.VOL and ACC.VOL buttons with the DATA WHEEL.

SPLIT POINT FOR AUTO ACCOMPANIMENT

For auto accompaniment, the keyboard is split into two sections. The default auto accompaniment split point is the G2 key. A different split point for auto accompaniment can be assigned in the Function menu.

Please see the Function section of this manual for more information.

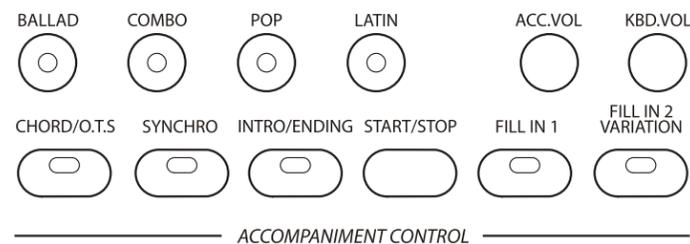
O.T.S.

Press and hold the CHORD/ O.T.S. button to toggle the O.T.S, or one touch setting, on and off. This convenient feature automatically selects the most suitable voice and various panel settings when you select a rhythm style and it's corresponding auto accompaniment.

RHYTHM STYLE SELECT

QUICK SELECT RHYTHM STYLE BUTTONS

There are four styles that can be selected quickly by pressing one of the four style select buttons: the BALLAD button, 001: PIANO BALLAD, the COMBO button, 061: MODERN JAZZ, the POP button, 016: MERSEY BEAT, and the LATIN button, 086: BRASIL. The style name is printed above the style button.



1 Press the rhythm style quick select button that corresponds to your desired style. The rhythm style name and its number will show on the display and is available to be started. Please refer to Using the Rhythm Style.



001 : PIANO BALLAD
060 : TEMPO

SELECTING ONE OF THE 100 RHYTHM STYLES

Please refer to the Rhythm Style List at the back of the manual for a list of all available styles.

1 Press any one of the four STYLE buttons to engage the style selection mode, the BALLAD, COMBO, LATIN or POP buttons, the indicator will light up.

2 Use the DATA WHEEL or the +/YES, -/NO buttons to select a style. The newly selected style name and number will be on the screen, and that style and it's tempo will be selected. The tempo can be adjusted with the TAP/TEMPO button. The rhythm style is available to be started.

Please refer to Using the Rhythm Style.



022 : SWING FUNK
120 : TEMPO

FUNCTION

1 Press the FUNCTION button and use the +/YES and the -/NO buttons or the DATA WHEEL to select the Function you wish to edit.

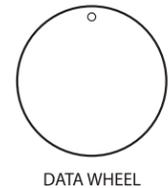
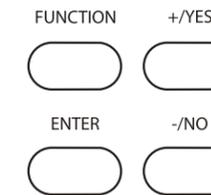
2 Press the ENTER button to confirm and access the sub-menu, the current setting will be shown.

3 Use the +/YES and the -/NO buttons or the DATA WHEEL to choose an option.

♪ **Please note**, pressing the +/YES, -/NO buttons simultaneously will reset the Function back to it's default value.

4 Press the ENTER button to confirm.

001 : GRAND PIANO
Main Reverb Level



BLUETOOTH

Plug the tiny Bluetooth receiver into the allotted slot on the connector panel to stream audio from Bluetooth devices onto your piano. This function allows you to turn Bluetooth on or off while the receiver is engaged, the default setting is Bluetooth off.

Please see the Bluetooth section of this manual for more information.

001 : GRAND PIANO
Bluetooth

001 : GRAND PIANO
Off : Bluetooth

RESET

You can Reset your piano to the initial factory settings. Please be aware that this will erase all saved data from the User buttons, the Registration memory banks and the song banks and all the changed settings from the Function menu.

♪ **Please note**, there is no sub-menu for this function, once you select the Reset and press the ENTER button, the piano will reset.

001 : GRAND PIANO
Reset

001 : GRAND PIANO
Resetmem!

AUTO POWER OFF TIME

This piano will automatically power off after a preset time of inactivity. Set the length of standby time before a power down in this function menu.

The default power off time of 30 minutes can be set from 20 - 60 minutes, or the feature can be turned off.

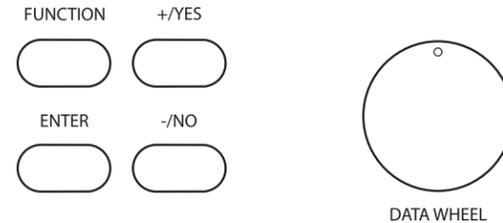
001 : GRAND PIANO
Auto Power Off Time

001 : GRAND PIANO
30 : PwrOff (min)

FUNCTION

- 1 Press the FUNCTION button and use the +/YES and the -/NO buttons or the DATA WHEEL to select the Function you wish to edit.
 - 2 Press the ENTER button to confirm and access the sub-menu, the current setting will be shown.
 - 3 Use the +/YES and the -/NO buttons or the DATA WHEEL to choose an option.
- ♪Please note, pressing the +/YES, -/NO buttons simultaneously will reset the Function back to it's default value.
- 4 Press the ENTER button to confirm.

001 : GRAND PIANO
Main Reverb Level



LOCAL MIDI

This function allows you to turn on or off the speaker system of the piano. Normally, playing on the keyboard generates sound while it sends MIDI messages via the MIDI connector or USB. This mode is called Local On and is the default value. You can mute the piano sounds while still sending out the MIDI messages. This mode is called Local Off.

♪Please note, if the Local is off there will be no sound from your keyboard.

001 : GRAND PIANO
Local MIDI

001 : GRAND PIANO
On : Local MIDI

USB MIDI IN

This function allow you to select the MIDI reception track and turn on or off the MIDI function, the default is MIDI on..

001 : GRAND PIANO
USB MIDI In

001 : GRAND PIANO
On : USB MIDI In

MIDI OUT

This function allow you to select the MIDI transmission track from 01-16 or to turn the MIDI transmission function off, the default track is channel 1.

001 : GRAND PIANO
MIDI Out

001 : GRAND PIANO
1 : MIDI Out

HALF SUSTAIN

Half sustain is a piano pedal technique in which the sustain pedal is only partially pressed down. When the half sustain feature is selected approximately half the amount of sustain will be applied when the sustain pedal is engaged. Some classical piano pieces call for this technique.

Now the Artesia line has developed this function for their digital pianos. This function allows you to turn on or off the half sustain feature, the default is half sustain on.

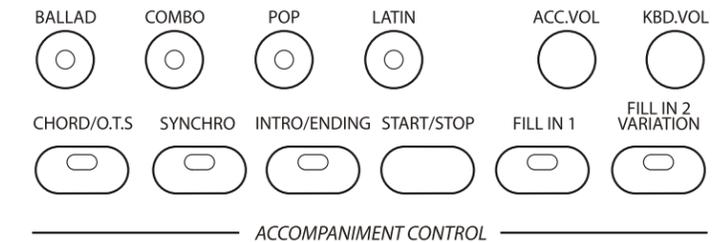
001 : GRAND PIANO
Half Sustain

001 : GRAND PIANO
On : Half Sustain

RHYTHM

USING THE RHYTHM STYLE

There are three ways to start the rhythm style; straight start, synchronized start, or with an introduction. You can stop your rhythm style with a finishing ending pattern.



ADJUSTING THE RHYTHM STYLE VOLUME

1 To adjust the volume of only the rhythm style. Press the ACC.VOL button and use the DATA WHEEL or the +/YES or -/NO buttons to adjust the volume of the keyboard rhythm style up or down, the keyboard voice will not be affected.



011 : MUSIC BOX
113 : Acc.Vol

STRAIGHT START

- 1 The START/STOP button starts the percussive rhythm immediately. Press the START/STOP button. The selected rhythm style will play.
- 2 Press the START/STOP button again to stop the rhythm style.



022 : SWING FUNK



SYNCHRONIZED START

Synchronized Start puts the accompaniment in the standby mode.

- 1 Press the SYNC START button, the virtual beat indicator dots in the LCD screen will blink at the current tempo, showing that the synchronized start mode is ready. The rhythm style will start as soon as you play in the left hand, accompaniment, section of the keyboard.
- 2 Press the START/STOP or the SYNC START button again to stop the rhythm style. If the SYNC START button is used, the synchronized start mode will be put back on standby.



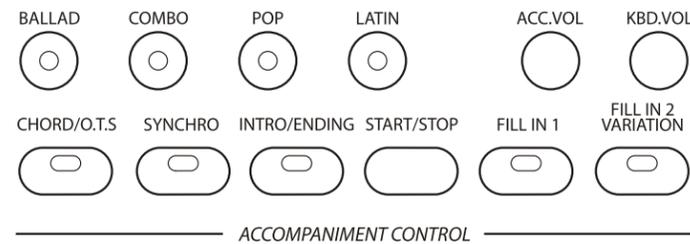
INTRODUCTION AND ENDING PATTERNS

All of the 100 styles and their variations can be started with an appropriate introduction.

- 1 Press the INTRO/ENDING button, the rhythm of the introduction will start followed by the main rhythm pattern.
- 2 Press the SYNC START button before pressing the INTRO/ ENDING button to add an introduction. The introduction, followed by the rhythm style will start as soon as you play in the left hand section of the keyboard.
- 3 Press the START/ STOP button to stop the accompaniment or press the INTRO/ENDING button again to stop with an ending pattern. An ending pattern can be used at any time regardless of whether you started with an introduction.



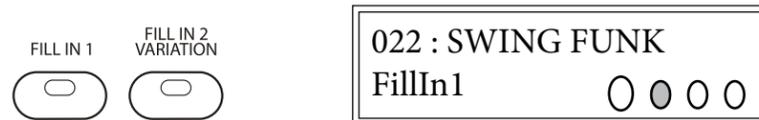
RHYTHM



FILL IN

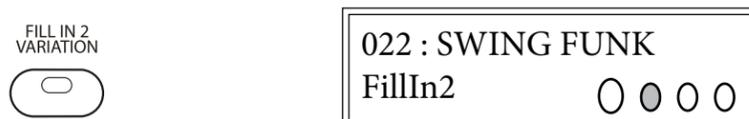
The fill in feature will insert a short rhythmic pattern of one to two measures in length, depending on the rhythm style selected. There is a fill-in for both the main pattern and the variation. The FILL buttons can also be used to start a rhythm style.

- 1 Press the FILL IN 1 or the FILL IN 2 VARIATION buttons at any time while the rhythm style is playing to add a fill.
- 2 Press and hold down either FILL IN button to extend the fill indefinitely. If you hold down a FILL IN button, the fill pattern will repeat until the button is released, and then the pattern will resume from the beginning of the next measure.



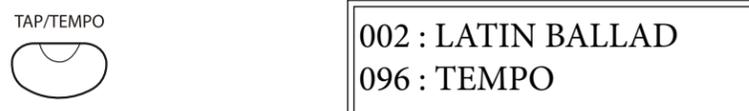
VARIATION

- 1 Press the FILL IN 2 VARIATION button at any time to select the variation of any of the rhythm styles. The indicator will light up and the variation pattern will be selected. If the rhythm style is playing the variation will start at the beginning of the next measure after the variation fill.
- 2 Press the FILL IN 1 button to revert to the main pattern from the beginning of the next measure after the fill pattern.



ADJUSTING THE TEMPO

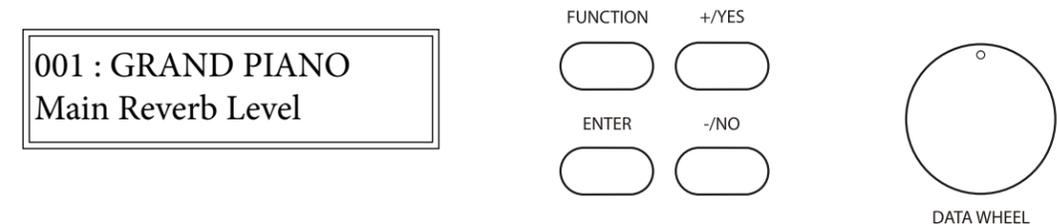
There is a virtual four-beat indicator, within the LCD screen, that flashes with the tempo and the beat for the rhythm style playing. Each style has its own preset tempo. Press the TAP/TEMPO button, the current tempo value will flash on the display. Use the DATA WHEEL or the +/YES or -/NO buttons to change the tempo. If you press, or "tap" the button twice while a rhythm is playing it will set the tempo to the speed of your taps. If you want to "tap" in a tempo before starting a rhythm style, tap the button 4 times to establish the tempo. The tempo can be adjusted before or during rhythm style play. If you change rhythm styles while a rhythm style is playing, the tempo will stay at the initial styles value, press the TAP/TEMPO button and then press the +/YES, -/NO buttons at the same time to reset to the new style's default tempo.



♪Please note, if the METRONOME button is engaged, the metronome tick will sound at the selected rhythm style tempo.

FUNCTION

- 1 Press the FUNCTION button and use the +/YES and the -/NO buttons or the DATA WHEEL to select the Function you wish to edit.
- 2 Press the ENTER button to confirm and access the sub-menu, the current setting will be shown.
- 3 Use the +/YES and the -/NO buttons or the DATA WHEEL to choose an option.
♪Please note, pressing the +/YES, -/NO buttons simultaneously will reset the Function back to its default value.
- 4 Press the ENTER button to confirm.



USB PLAY MODE

This function allows you to select the mode for the USB playback of the piano. You can select Single, Play All Songs, or Random. The default value is Play All Songs.



USB PLAY SPEED

This function allows you to select the play back speed for USB on the piano. You can select a speed of 50 to 200%, with a default value of 100.



USB PLAY VOLUME

This function allows you to adjust the USB play back volume of the piano. You can select a value from: 0 - 127, with a default value of 127.



USB MUTE TRACK

This function allows you to mute a track on the USB play back of the piano. You can mute any track from 01-16 by selecting it in this function menu. The default is all tracks no.

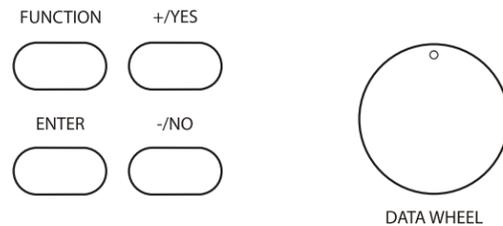
♪Please note, this sub-menu does require an additional confirmation of the track to mute. Use the +/YES and the -/NO buttons to scroll through the yes or no screen confirmations. Confirm your track selection to mute by pressing the ENTER button.



FUNCTION

- 1 Press the FUNCTION button and use the +/YES and the -/NO buttons or the DATA WHEEL to select the Function you wish to edit.
- 2 Press the ENTER button to confirm and access the sub-menu, the current setting will be shown.
- 3 Use the +/YES and the -/NO buttons or the DATA WHEEL to choose an option.
♪Please note, pressing the +/YES, -/NO buttons simultaneously will reset the Function back to it's default value.
- 4 Press the ENTER button to confirm.

001 : GRAND PIANO
Main Reverb Level



TUNE

The pitch of this piano is very accurate and stable; it is automatically set to standard A440 pitch when the piano is turned on. If necessary, you can alter the piano pitch, the tuning feature makes it possible to tune the pitch of the instrument in fine intervals to match other instruments. You can adjust the tune value from: -64 to 63, with a default value of 0.

001 : GRAND PIANO
Tune

001 : GRAND PIANO
0 : Tune

SONG GRADING

The Play Along Songs music teacher has an optional grading of your performance. Turn the Song Grading on and off in the Function menu. The default is on.

001 : GRAND PIANO
Song Grading

001 : GRAND PIANO
On : Song Grading

SONG VOLUME

Use this function to adjust the volume of the songs in the The Play Along Songs music teacher. The volume can be adjusted from a value of: 0-127, with a default value of 127.

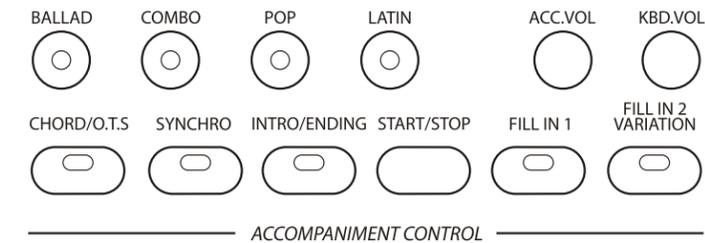
001 : GRAND PIANO
Song Volume

001 : GRAND PIANO
127 : Song Volume

AUTO ACCOMPANIMENT

AUTO ACCOMPANIMENT

Each of the 100 percussive rhythm styles has its own auto accompaniment, dedicated to that style. These auto accompaniment patterns create fully orchestrated rhythm, bass and chord progressions based on the chords that you play with your left hand. The selected rhythm style determines the characteristics of the auto accompaniment. The accompaniment produced is perfectly matched to the selected rhythm style. For auto accompaniment modes the keys are divided into two sections at the auto accompaniment split point. The keys to the left of this point are defined as the accompaniment section of the keyboard.
♪Please note, the keyboard and accompaniment volumes can adjusted independently from each other and the master volume by using the KBD.VOL and ACC.VOL buttons with the DATA WHEEL.



SPLIT POINT FOR AUTO ACCOMPANIMENT

For auto accompaniment, the keyboard is split into two sections. The default split point is the G2 key. A different split point for the auto accompaniment can be assigned in the Function menu. Please see the Function section of this manual for more information.

CHORD/O.T.S.

The CHORD button *must* be engaged for the auto accompaniment to be available. Press, don't hold, the CHORD/ O.T.S. button so the indicator is lit to engage the auto accompaniment mode. Please see Using the Auto Accompaniment.

Press and hold the CHORD/ O.T.S. button to toggle the O.T.S, or one touch setting, on and off. The display will indicate when the feature has been activated and/or canceled. This convenient feature automatically selects the most suitable voice and various panel settings for you when you select a rhythm style and it's corresponding auto accompaniment.

022 : SWING FUNK
On:O.T.S.

022 : SWING FUNK
Off:O.T.S.

ADJUSTING THE AUTO ACCOMPANIMENT VOLUME

- 1 To adjust the volume of only the rhythm style and Auto Accompaniment. Press the ACC.VOL button and use the DATA WHEEL or the +/YES or -/NO buttons to adjust the volume of the keyboard rhythm style and the auto accompaniment up or down, the keyboard voice will not be affected.



011: MUSIC BOX
113 : Acc.Vol

AUTO ACCOMPANIMENT

THE AUTO ACCOMPANIMENT FINGERING MODE

The auto accompaniment, or auto bass chord, fingering modes of this piano are **single** or **fingered**. The default setting is the fingering mode. The fingering mode is assigned in the Function menu.

Please see the Function section of this manual for more information.

SINGLE MODE

Single, or intelligent, fingering mode makes it simple to produce four types of orchestrated accompaniment chords using a minimum of fingers, while playing in the auto accompaniment section of the keyboard.

In this mode, keys in the auto accompaniment section of the keyboard are used to produce major, seventh, minor, and minor-seventh chords, the keys are not available for normal playing. The auto accompaniment will start with the percussive rhythm as soon as a key in the auto accompaniment section is played.

Please refer to Using the Auto Accompaniment.

- **Major Chord:** Press any key in the auto accompaniment section of the keyboard. The key you press determines the root note of the major chord.
- **Minor Chord:** Press the root key and any black key to its left in the auto accompaniment section of the keyboard simultaneously to produce the minor chord.
- **Seventh Chord:** Press the root key and any white key to its left (7th key) in the auto accompaniment section of the keyboard simultaneously.
- **Minor-Seventh Chord:** Press the root key and both a black key and a white to its left in the auto accompaniment section of the keyboard simultaneously



C



Cm



C7



Cm7

FINGERED MODE

The fingered mode is ideal if you already know how to play chords on the keyboard. It allows you to play the chords in the auto accompaniment section of the keyboard that produce the selected auto accompaniment pattern. The auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard, the keys are not available for normal playing.

Please refer to Using the Auto Accompaniment.

♪ **Please note**, if a chord played cannot be recognized (fingered beyond the table), the previous chord will keep playing. An unrecognized chord cannot start the auto accompaniment. Please see the Auto Accompaniment Fingering Guide table at the back of this manual for a list of all the 32 playable chords of this mode.

FUNCTION

1 Press the FUNCTION button and use the +/YES and the -/NO buttons or the DATA WHEEL to select the Function you wish to edit.

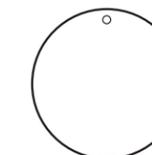
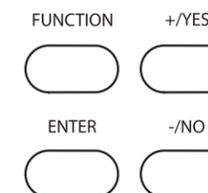
2 Press the ENTER button to confirm and access the sub-menu, the current setting will be shown.

3 Use the +/YES and the -/NO buttons or the DATA WHEEL to choose an option.

♪ **Please note**, pressing the +/YES, -/NO buttons simultaneously will reset the Function back to its default value.

4 Press the ENTER button to confirm.

001 : GRAND PIANO
Main Reverb Level



DATA WHEEL

TRANSPOSE

The Transpose function can shift the pitch of the keyboard up or down in semi-tone intervals up to a maximum of 24 semi-tones. Transpose does not affect the percussion.

The transpose value range can be adjusted -12, one octave lower to 12, one octave higher, with a default value of 0.

001 : GRAND PIANO
Transpose

001 : GRAND PIANO
0 : Transpose

MAIN OCTAVE

The Octave function makes it possible to shift all the keys on the piano one or two octaves up or down. With this Function menu you can shift the Main voice from: -2 to +2 octaves, with a default value of 0.

001 : GRAND PIANO
Main Octave

001 : GRAND PIANO
0 : Main.Oct

SPLIT OCTAVE

With this Function menu you can shift the Split voice from: -2 to +2 octaves, with a default value of 0.

001 : GRAND PIANO
Split Octave

001 : GRAND PIANO
0 : Split.Oct

LAYER OCTAVE

With this Function menu you can shift the Layer voice from: -2 to +2 octaves, with a default value of 0.

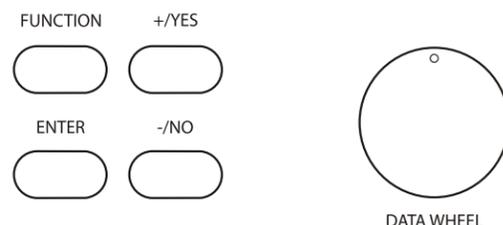
001 : GRAND PIANO
Layer Octave

001 : GRAND PIANO
0 : Layer.Oct

FUNCTION

- 1 Press the FUNCTION button and use the +/YES and the -/NO buttons or the DATA WHEEL to select the Function you wish to edit.
- 2 Press the ENTER button to confirm and access the sub-menu, the current setting will be shown.
- 3 Use the +/YES and the -/NO buttons or the DATA WHEEL to choose an option.
⚠Please note, pressing the +/YES, -/NO buttons simultaneously will reset the Function back to it's default value.
- 4 Press the ENTER button to confirm.

001 : GRAND PIANO
Main Reverb Level



METRONOME TYPE

The metronome type can be set to the following measures: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, 7/8, 9/8, 12/8, with a default value of 4/4.

001 : GRAND PIANO
Metronome Type

001 : GRAND PIANO
4/4 : Metrotype

METRONOME VOLUME

The volume of the metronome tick can be set to the following volume levels: 0-127, with a default value of 100.

001 : GRAND PIANO
Metronome Volume

001 : GRAND PIANO
100 : Metro Vol

MAIN VOICE PAN

This function allows you to set the stereo position of each orchestration part to create a board stereo image to your sound. It can move one part of the piano sound to the left or right speakers to create more of a stage sound. The main voice pan value can be set from: -64 to 63, with a default value of 0.

001 : GRAND PIANO
Main Voice Pan

001 : GRAND PIANO
0 : Main.Pan

SPLIT VOICE PAN

The split voice pan value can be set from: -64 to 63, with a default value of 0.

001 : GRAND PIANO
Split Voice Pan

001 : GRAND PIANO
0 : Split.Pan

LAYER VOICE PAN

The layer voice pan value can be set from: -64 to 63, with a default value of 0.

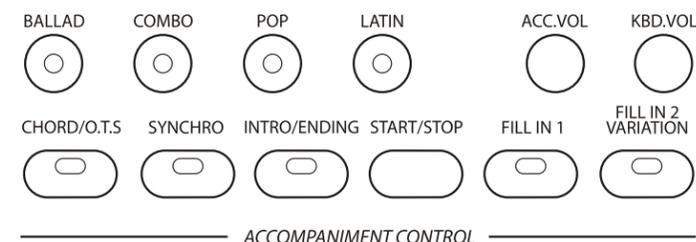
001 : GRAND PIANO
Layer Voice Pan

001 : GRAND PIANO
0 : Layer.Pan

AUTO ACCOMPANIMENT USING THE AUTO ACCOMPANIMENT

The rhythm style and corresponding auto accompaniment can be started as a straight start or set for a synchronized start. An introduction can be added and an ending pattern can be used when stopping.

⚠Please note, if the CHORD/O.T.S. button is not engaged only the rhythm style will play.



STRAIGHT START

- 1 Select a rhythm style. Please refer to Select One of the 100 Rhythm Styles.
- 2 Select a fingering mode. Please refer to Select the Auto Accompaniment Fingering.
- 3 Press, don't hold, the CHORD/O.T.S. button to engage the auto accompaniment mode, the indicator will turn on.
- 4 Press the START/STOP button. The START/STOP button will start the rhythm style immediately for both fingering modes. Depending on the fingering mode selected the auto accompaniment will start as follows:

- **Single:** Auto accompaniment will start as soon as a note is struck in the auto accompaniment section of the keyboard.
- **Fingered:** Auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard.

- 5 Press the START/STOP button again to stop the rhythm style and auto accompaniment.



022 : SWING FUNK
A 7 ○ ○ ○ ○

SYNCHRONIZED START

Synchronized Start mode puts the piano auto accompaniment on standby. It allows you to start the rhythm style and its auto accompaniment by playing on the keyboard.

- 1 Select a rhythm style. Please refer to Select One of the 100 Rhythm Styles.
- 2 Select a fingering mode. Please refer to Select the Auto Accompaniment Fingering.
- 3 Press the CHORD/O.T.S. button to engage the auto accompaniment mode, the indicator will be lit.
- 4 Press the SYNC START button, the beat indicator will light up, indicating that the synchronized start mode is engaged. If you want to start the accompaniment with a introduction, press the INTRO/ENDING button, or with either fill pattern press the FILL IN button for that now. Depending on the fingering mode selected, the SYNC START button will start the rhythm and the auto accompaniment as follows:

- **Single:** The rhythm style and auto accompaniment will start as soon as a note is struck in the auto accompaniment section of the keyboard.
- **Fingered:** The rhythm style and auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard.

- 5 Press the START/STOP button to stop the rhythm style and auto accompaniment.

⚠Please note, if the CHORD/O.T.S. button is not engaged only the rhythm style will play.



AUTO ACCOMPANIMENT

INTRODUCTION AND ENDING PATTERNS

All of the auto accompaniments can be started with an appropriate introduction and stopped with a finishing ending

- 1 Select a rhythm style. Please refer to Select One of the 100 Rhythm Styles.
- 2 Select a fingering mode. Please refer to Select the Auto Accompaniment Fingering.
- 3 Press the CHORD/O.T.S. button to engage the auto accompaniment mode, the indicator will be lit.
- 4 Press the SYNC START button, the indicator will light up, indicating that the synchronized start mode is engaged.

⚠Please note, to hear the auto accompaniment introduction the SYNC START button must be used, otherwise the rhythm style introduction will begin immediately and the auto accompaniment introduction will not sound.

- 5 Press the INTRO/ENDING button. Depending on the fingering mode selected, the SYNC START button will start the rhythm and the auto accompaniment with an appropriate introduction as follows:

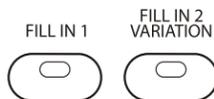
- **Single:** The rhythm style and auto accompaniment with introduction will start as soon as a note is struck in the auto accompaniment section of the keyboard.
 - **Fingered:** The rhythm style and auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard.
- 4 Press the START/STOP button to stop the rhythm style and auto accompaniment. Or press the INTRO/ENDING button again to stop the auto accompaniment after a finishing ending pattern. The ending pattern can be engaged any time an auto accompaniment is playing, whether or not it was started with an introduction.



FILL-IN

The fill feature will insert a short rhythmic pattern of one to two measures in length, depending on the auto accompaniment selected. There is a fill in for both the main pattern and the variation. The FILL buttons can also be used to start a rhythm style and the auto accompaniment if used with the SYNCHRO button.

- 1 Press the either FILL IN button at any time while the accompaniment is playing to add a fill.
- 2 Press and hold down a FILL IN button to extend the fill indefinitely. If you hold down a FILL IN button, the fill pattern will repeat until the button is released, and then the pattern will resume from the beginning of the next measure after the fill.

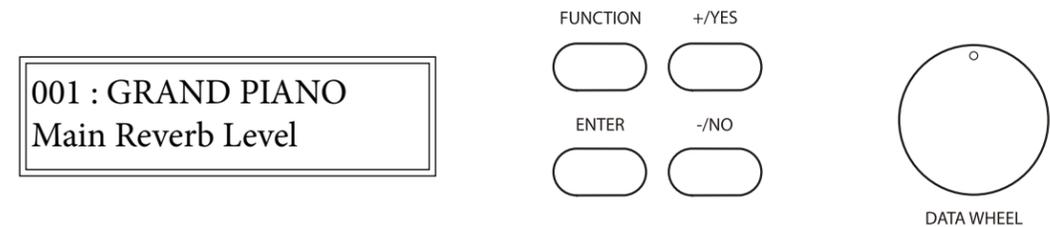


VARIATION

- 1 Press the FILL IN 2 VARIATION button at any time to select the variation of any of the auto accompaniments. The indicator will light up and the variation pattern will be selected. If the auto accompaniment is playing the variation will start at the beginning of the next measure after the variation fill. Please refer to the Starting and Stopping the Auto Accompaniment.
- 2 Press the FILL IN 1 button, the auto accompaniment will revert to the main auto accompaniment pattern selected after the main fill.

FUNCTION

- 1 Press the FUNCTION button and use the +/YES and the -/NO buttons or the DATA WHEEL to select the Function you wish to edit.
 - 2 Press the ENTER button to confirm and access the sub-menu, the current setting will be shown.
 - 3 Use the +/YES and the -/NO buttons or the DATA WHEEL to choose an option.
- ⚠Please note**, pressing the +/YES, -/NO buttons simultaneously will reset the Function back to its default value.
- 4 Press the ENTER button to confirm.



VOICE SPLIT POINT (FOR LOWER VOICE)

When the split mode is engaged the keyboard is divided into two parts at the split point. In the left hand section a different instrument voice can be assigned, the split, or lower, voice. In this menu the default split point of G2 for the voice section can be changed from Key 0 to Key 87 (A-1 to C-7), with a default value of #F2.



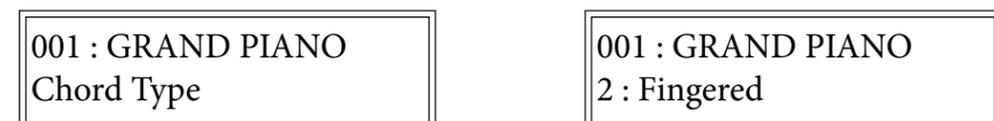
CHORD SPLIT POINT (FOR AUTO ACCOMPANIMENT)

For the auto accompaniment the keyboard is split into two sections at the default split point G2 key. A different split point for the auto accompaniment can be assigned in the Function menu from Key 0 to Key 87 (A-1 to C-7), with a default value of #F2.



CHORD TYPE (FOR AUTO ACCOMPANIMENT)

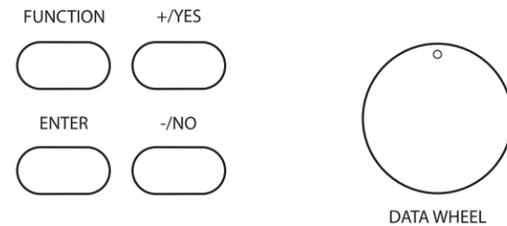
The auto accompaniment, or auto bass chord, fingering modes of this piano are: **single** or **fingered**. Select a fingering mode: 01: Single, 02: Fingered, using this function menu. The default value is fingered.



FUNCTION

- 1 Press the FUNCTION button and use the +/YES and the -/NO buttons or the DATA WHEEL to select the Function you wish to edit.
- 2 Press the ENTER button to confirm and access the sub-menu, the current setting will be shown.
- 3 Use the +/YES and the -/NO buttons or the DATA WHEEL to choose an option.
♪Please note, pressing the +/YES, -/NO buttons simultaneously will reset the Function back to it's default value.
- 4 Press the ENTER button to confirm.

001 : GRAND PIANO
Main Reverb Level



MAIN CHORUS LEVEL

The Chorus effect adds depth and spaciousness to the selected keyboard voice. In this function you can adjust the chorus depth for the main voice. The Chorus Level value can be adjusted from 0 - 127, with a default value of 110.

001 : GRAND PIANO
Main Chorus Level

001 : GRAND PIANO
110 : M. ChoLevel

SPLIT CHORUS LEVEL

In this function you can adjust the chorus depth for the split, or lower, voice. The Chorus Level value can be adjusted from 0 - 127, with a default value of 110.

001 : GRAND PIANO
Split Chorus Level

001 : GRAND PIANO
110 : S. ChoLevel

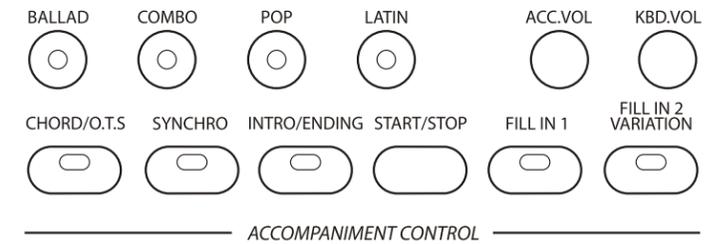
LAYER CHORUS LEVEL

In this function you can adjust the chorus depth for the layer voice. The Chorus Level value can be adjusted from 0 - 127, with a default value of 110.

001 : GRAND PIANO
Layer Chorus Level

001 : GRAND PIANO
110 : L. ChoLevel

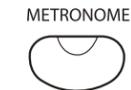
AUTO ACCOMPANIMENT



METRONOME

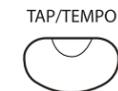
The built in metronome is a timing device. It is used as reference to aid with practice or performance.

- 1 Press the METRONOME button to engage the metronome feature. The button's LED Indicator will turn on, the display screen will show the selected rhythm style and tempo, the metronome tick sound will start immediately.
- 2 The beat pattern, or time signature, can be set, in the Function menu to:
1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8 or 12/8,
Please see the Function section for more information.
- 3 Press the metronome button again to turn off the metronome.



ADJUSTING THE TEMPO

The metronome tick sounds to the beat of the selected rhythm styles tempo. Each style has its own preset tempo. There is a four-beat indicator in the LCD screen that indicates the tempo and the beat for the accompaniment playing. The tempo can be adjusted before or during the auto accompaniment by pressing the TAP/TEMPO button, and then using the DATA WHEEL or the +/YES, -/NO buttons. The time signature, the metronome type and the metronome volume can be adjusted in the Function menu. Please see the Function section of this manual for more information.

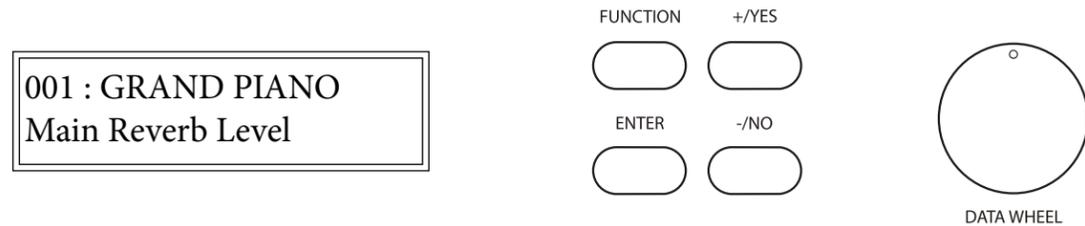


002 : LATIN BALLAD
096 : TEMPO

FUNCTION

The Function menu is used to set up or to adjust values or levels of various features related to the operation of this keyboard. This wide range of functions give the piano extraordinary versatility. With the FUNCTION button engaged you may access the sub-menus for the following:

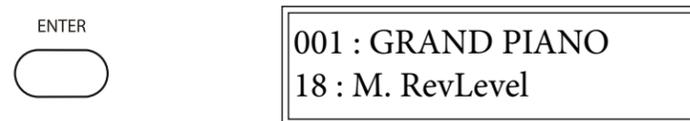
- MAIN REVERB LEVEL
- SPLIT REVERB LEVEL
- LAYER REVERB LEVEL
- MAIN CHORUS LEVEL
- SPLIT CHORUS LEVEL
- LAYER CHORUS LEVEL
- VOICE SPLIT POINT
- CHORD SPLIT POINT
- CHORD TYPE
- METRONOME TYPE
- METRONOME VOLUME
- MAIN VOICE PAN
- SPLIT VOICE PAN
- LAYER VOICE PAN
- TRANPOSE
- MAIN OCTAVE
- SPLIT OCTAVE
- LAYER OCTAVE
- TUNE
- SONG GRADING
- SONG VOLUME
- USB PLAY MODE
- USB PLAY SPEED
- USB PLAY VOLUME
- USB MUTE TRACK
- LOCAL MIDI
- USB MIDI IN
- MIDI OUT
- HALF SUSTAIN
- BLUE TOOTH
- RESET
- AUTO POWER OFF TIME



USING THE FUNCTION MENU

All of the above listed Function Menus are accessed and adjusted as described below.

- 1 Press the FUNCTION button. The first menu item that can be manipulated, will appear on the display.
 - 2 Use the DATA WHEEL or the +/YES, -/NO buttons until the Function menu you wish to access appears on the display screen.
 - 3 Press the ENTER button to confirm that Function menu and access the selected function's sub-menu, the current value or level for your selected function will show on the screen.
 - 4 Use the DATA WHEEL or the +/YES, -/NO buttons to set a new value or level.
- ♪Please note, pressing the +/YES, -/NO buttons simultaneously will reset the function back to it's default setting.
- 5 Press the ENTER button again to confirm your selection and exit the function mode.

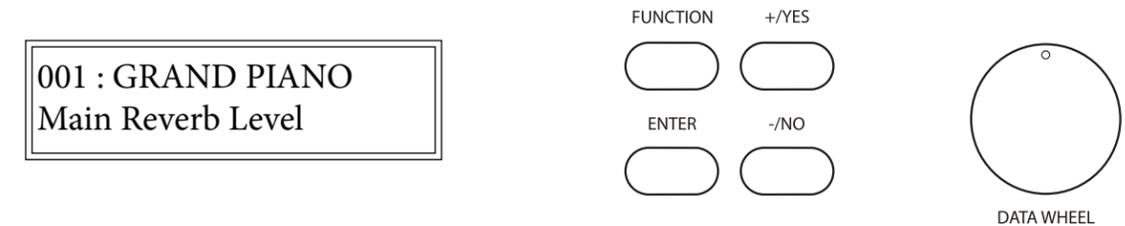


♪Please note, after pressing the FUNCTION button the Function menu will be accessed. Press the ENTER button to enter the sub-menu of the main Function menu. Pressing of the +/YES button will scroll through the sub-menu options. The option will be selected when the ENTER button is pressed again.

♪Please also note, with no input, the screen will remain in the Function menu for five seconds, then the display will revert to the selected main screen. Any changes that were made in the Function menu or sub-menu will register even if ENTER was not pressed.

FUNCTION

- 1 Press the FUNCTION button and use the +/YES and the -/NO buttons or the DATA WHEEL to select the Function you wish to edit.
 - 2 Press the ENTER button to confirm and access the sub-menu, the current setting will be shown.
 - 3 Use the +/YES and the -/NO buttons or the DATA WHEEL to choose an option.
- ♪Please note, pressing the +/YES, -/NO buttons simultaneously will reset the Function back to it's default value.
- 4 Press the ENTER button to confirm.



MAIN REVERB LEVEL

Reverb simulates the effect of playing in a big room or a hall where the sound reverberates off the walls and ceiling. The reverb effect is engaged automatically when the piano is turned on. In this function you can adjust the reverb depth for the main voice. The Reverb Level value can be adjusted from 0 - 127, with a default value of 18.



SPLIT REVERB LEVEL

In this function you can adjust the reverb depth for the split, or lower, voice. The Reverb Level value can be adjusted from 0 - 127, with a default value of 18.



LAYER REVERB LEVEL

In this function you can adjust the reverb depth for the layer, or dual, voice. The Reverb Level value can be adjusted from 0 - 127, with a default value of 18.

